REPORT

OF

ACUTE (14 DAYS) SUB – CHRONIC (60 DAYS – 45 days treatment, 15 days recovery) REPEATED DOSE TOXICITY STUDY OF COLOSTRUM MILK PRODUCT (RECEPTOL) THROUGH ORAL ROUTE IN SPRAGUE DAWLEY RATS

STUDY NO: 01 – 10

SPONSOR

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2011

STUDY JUSTIFICATION

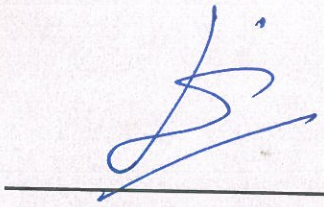
Colostrum milk is the most important food a newborn can receive from the mother soon after his/her birth. Colostrum is thick, yellowish milk that is secreted in the first few days after delivery. One factor that makes colostrum milk invaluable to the newborn is the high concentration of antibodies that are vital in warding off diseases in addition to calcium, protein, fat soluble vitamins, minerals etc..,

Biomix Pvt. Ltd has developed a new product "Receptol" which was derived from Bovine Lacteal source by Nano-biotechnology process, with an intention to promote it as an immuno–modulator for human consumption.

Since "Receptol" from Bovine Lacteal source has been processed by using cGMP practices, it is mandatory to generate Pre–clinical safety data as per the regulatory requirements.

SIGNATURE PAGE

Study Director

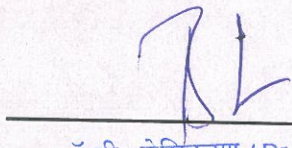


Dr. B. Dinesh Kumar, PhD
National Institute of Nutrition

13/06/2011

Date

Director & Coordinator PCT



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31/05/2011

Date

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1.1 QUALITY ASSURANCE STATEMENT

In accordance with the guidelines laid by the National Toxicology Panel, as management of the Institute as a Quality Assurance Officer (QAO) for the **STUDY No. 01– 10** entitled **"Pre –Clinical Toxicity Tests of Colostrum Milk Product (Receptol)"**, I visited different divisions involved in the study regularly and inspected the testing facilities and conduct of the investigations as per Standard Operating Procedures (SOPs) at different points of time during the study.

The Institutional Animal Ethics Committee approved the study [Append – VI (A & B)]. The report includes the methods and procedures followed by the investigators during the study. The results and inference were given on the basis of the raw data generated during the study.

During the audit of the records of various study investigations, I found that there were no deviations from the internal time schedule submitted by the investigators of the Pre–Clinical Toxicology Unit, FDTRC, and NIN to the best of my knowledge and belief, which would affect the integrity of the study except for minor amendment.

I visited the laboratories on the following dates, audited the records and the findings were reported to the management.

Audit Date	Phase audited	Date reported to Study Director	Date Reported to Management
18.12.2009	Receipt of test compound	18.12.2009	18.12.2009
21.04.2010	Receipt of test compound	21.04.2010	21.04.2010
29.04.2010	Receipt of test compound	29.04.2010	29.04.2010
03.12.2009	Protocol approval	03.12.2009	03.12.2009
ACUTE TOXICITY STUDY			
Rats – (Oral route – through gavage)			
Audit Date	**Phase audited**	**Date reported to Study Director**	**Date Reported to Management**
11.02.2010	Internal Time schedule approval	11.02.2010	11.02.2010
11.02.2010	As per S.O.P, Randomization and Caging of animals was done	11.02.2010	11.02.2010
15.02.2010, 02.03.2010	Inspection of experimental facility	15.02.2010, 02.03.2010	15.02.2010, 02.03.2010
02.03.2010	Euthanization of animals	02.03.2010	02.03.2010

SUB – CHRONIC TOXICITY STUDY			
Rats (Oral route – through gavage)			
Audit Date	**Phase audited**	**Date reported to Study Director**	**Date Reported to Management**
13.04.2010	Internal Time schedule approval	13.04.2010	13.04.2010
12.04.2010	Date of Receipt of animals	12.04.2010	12.04.2010
19.04.2010	Initial randomization	19.04.2010	19.04.2010
06.06.2010	Test compound exposure	06.06.2010	06.06.2010
03.05.2010, 31.05.2010 02.06.2010 & 04.06.2010	Random checking of Body weights and Inspection of experimental facility.	03.05.2010, 31.05.2010 02.06.2010 & 04.06.2010	03.05.2010, 31.05.2010 02.06.2010 & 04.06.2010
23.04.2010, 03.05.2010, 13.05.2010 & 04.06.2010	Monitoring of animals and Inspection of experimental facility	23.04.2010, 03.05.2010, 13.05.2010 & 04.06.2010	23.04.2010, 03.05.2010, 13.05.2010 & 04.06.2010
06.06.2010	Randomization (Mid term)	06.06.2010	06.06.2010
08.06.2010	Inspection of Euthanization Mid term	08.06.2010	08.06.2010
22.06.2010	Inspection of Euthanization final	22.06.2010	22.06.2010

Dr. D. Sreeramulu, (QAO)

31st May 2011
Date

1.2 GLP COMPLIANCE STATEMENT

The **STUDY No. 01 – 10, "Pre Clinical Toxicity Tests of Colostrum Milk Product (Receptol)"** was performed in accordance with Principles of Good Laboratory Practices.

DECLARATION

We hereby declare that the work was performed under our supervision in accordance with the described procedures. It is assured that the reported results faithfully represent the raw data obtained during the experimental work. No circumstances have been left unreported which may have affected the quality and integrity of the data or which might have had a potential bearing on the validity and reproducibility of this study.

We accept overall responsibility for the technical conduct of the study as well as the interpretation, analysis, documentation and reporting of the results.

Date: 31/05/2011

(Dr. B Dinesh Kumar)
Study Director

(Dr. B. Sesikeran)
Director, NIN
& Coordinator PCT

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PRE – CLINICAL TOXICITY TESTS OF COLOSTRUM MILK PRODUCT (RECEPTOL)

1.3. ABSTRACT

1.3.1 Introduction: Biomix Pvt. Ltd., India has developed a colostrum milk product "Receptol" from Bovine Lacteal source by Nano-biotechnology process. Receptol as an oral liquid, with an intention to promote it as an Immuno–modulator.

The present (Acute & Sub Chronic) investigation is undertaken to evaluate pre–clinical safety profile of colostrum milk product "Receptol" administered by oral route in rats as per regulatory requirement.

1.3.2 Methodology: The present investigation involves **Acute and Sub–Chronic toxicity test** in Sprague Dawley rats.

In **acute toxicity** test, rats were exposed to fifty times of intended therapeutic dose (50XTD), to animals by oral route and observed for mortality.

Sub – Chronic toxicity test has been conducted in Sprague Dawley rats 48(24M+24F), which were equally divided into four groups viz., Vehicle control (VC), Therapeutic dose (TD), Average dose (AD), (five times of TD) and High Dose (HD), (ten times of TD) groups. The test compounds in varied doses were administered daily for 45 days orally through gavages. The rats were monitored bi–weekly for live phase, cage side, physical and neurological parameters. The hematology, and biochemistry, serum (IgG) profile along with gross necropsy and histopathology of major organs in animals were evaluated at 48hrs and 15th day post exposure to test compound.

1.3.3 Results: In acute toxicity test there were no pre–terminal deaths in rats observed after single administration of 50 times of intended therapeutic dose by oral route. All rats were found to be active with normal body weight.

In sub chronic toxicity test, there was 8% mortality in HD (10X TD) group (one female animal on 16th day of exposure). There was no mortality in any other group of animals exposed to vehicle control, test compound at TD and AD (5XTD) dose till end of the experiment. There was no significant difference in body weight gains, live phase, physical activity and neurological activity between control and test groups throughout the study period. There were no significant abnormalities in hematology, IgG and clinical chemistry profile in blood / serum samples collected after 48hrs and 15th day of last exposure to test compound. At necropsy, no gross lesions were found in any organ collected from all group of animals. No significant

difference was observed in the histopathology of various organs between control and test groups.

1.3.4 Conclusion: In Acute toxicity test there was no mortality on single exposure of fifty times of the intended therapeutic dose in rats. In Sub Chronic toxicity one animal died in HD (10XTD) group. There was no abnormality in hematology, serum IgG and clinical chemistry profile in all groups. No abnormal changes in gross necropsy and histopathology of major organs were recorded which could be attributed to test compound administration.

2.0 Summary of Sub Chronic Repeated Dose Study

2.1 Title : Pre Clinical Toxicity Tests of Colostrum Milk Product (Receptol)

2.2 Objective : To assess the safety profile of RECEPTOL in Rats.

2.3 Sponsor : BIOMIX NETWORK Ltd.,
C/o Kheda Satellite Dairy,
Near khatraj Cross Road,
Khatraj–387130
Gujarat, INDIA.

2.4 Test compound details (As mentioned by sponsor) : (Appendix – I & II)

2.4.1 Name of the Formulation : Colostrum Milk Product (RECEPTOL)

2.4.2 Intended use : Immuno–modulator

2.4.3 Recommended usage schedule (Clinical) : 3 ml four times daily or as prescribed by the physicians/ Adult.

2.4.4 Route of administration : oral

2.4.5 Appearance : Milky white liquid.

2.5 Test System : Sprague Dawley Rats

2.6 Test Dose : (Appendix – III)

S.No	Group Details	Dose		Study+ duration
		ml/kg Rat	ml/ 200g Rat	
1.	Vehicle control (VC)	Distilled water	2ml	60 days (45 days exposure + 15 days recovery)
2.	Therapeutic dose (TD)	1.08	0.216	
4.	Average dose (5 X TD)	5.4	1.08	
5.	High dose (10 X TD)	10.8	2.16	

*: excluding 9 days conditioning period
Maximum volume of oral administration is 3 ml / 200g rat.
X – Times, TD– Therapeutic Dose, + – Without Conditioning Period

2.7 Test Details:

2.7.1 Test compound preparation: The test compound for administration was supplied by sponsor with a certificate of analysis (Appendix – VII) for direct administration. It was administered orally in various volumes viz., (TD – 0.216 ml, AD – 1.08 ml, HD–2.16 ml) to rats as per their body weight.

2.7.2 Route of administration: Oral administration (through gavages) (The maximum volume was maintained at 5 ml per animal).

2.8 Methodology: Selected animals were conditioned, and exposed to the test compound orally by gavage once in acute (rats) and continuously for 45 days to rats in sub – chronic toxicity tests at various concentrations. The animals were observed daily for 14 and 60 days throughout the experimental period in acute and sub chronic toxicity tests respectively after exposure to the test compound.

2.8.1 Observations:

2.8.1.1 Acute Toxicity: Lethality, routine physical, physiological examinations, neurological activity were monitored in all surviving animals till 14th day of the experiment.

2.8.1.2 Sub – Chronic Toxicity: Routine physical, physiological examinations, neurological activity were monitored tri–weekly in all surviving animals till the end of the experiment. The hematology, clinical chemistry and serum IgG eastmations were conducted after 48hrs and 15th day of last exposure. Gross necropsy and histopathology of all major organs were undertaken in 50% of animals which were euthanized at 48hrs after last exposure and remaining 50% of animals from each group served as recovery group.

2.8.2 Statistics: Data was compiled and analyzed for significant differences between treatment groups and vehicle control.

2.9 RESULTS: The results of this study are as follows:

2.9.1 Acute Toxicity Test:

- No Pre–terminal deaths were recorded in rats after receiving fifty times of intended therapeutic dose (50XTD) once by oral route. (Refer Table – I)

2.9.2 Sub – Chronic Toxicity Test:

- No Pre–terminal deaths were recorded in animals of VC, TD & AD (5 X TD) groups, except one animal in 10XTD group.
- The LOAEL of test compound was 10.8ml/Kg body weight of Rat.
- No significant treatment related effect on food intake, body weight gain; physical, neurological activity etc was observed in all surviving animals.
- No significant changes in clinical chemistry parameters were seen after 48hrs and 15 days of last exposure. [Refer Tables – XI (A, B & C)]
- Similarly no significant changes in hematological parameters were observed after 48hrs and 15th day of post exposure. [Refer Tables – XII (A, B & C)]
- There were no significant differences in serum IgG recorded in animals of all groups with respect to vehicle control group on 15th and 60th day of post exposure.
- No test compound related histopathological changes in organs studied were recorded.

2.9.3 Conclusion: No mortality was recorded in rats upon fifty times of single intended therapeutic dose of administration. Except for one pre–terminal death in 10XTD group, there was no mortality in any other group [VC, TD and AD (5XTD)] of animals, which received test compound by oral administration for 45 days daily. In all animals the gain in body weight, food intake, cage side activity, physical and neurological observations was normal. Hematology, clinical chemistry, profile were within normal range in all groups of animals. No immuntoxicty potential was recorded. There were no changes in gross necropsy and histopathology in any group of animals exposed to test compound that could be attributed to the administration of test compound.

3.0 ABBREVIATIONS

Abbreviation	Details
AD	Average Dose
ALP	Alkaline Phosphatase
ALT	Alanine Aminotransferase
AST	Aspartate Aminotransferase
BUN	Blood Urea Nitrogen
BW	Body Weight
ELISA	Enzyme Linked Immunosorbent Assay
Eo	Eosinophils
F	Female
g	Gram
H	Hour
Hb	Hemoglobin
HCT	Hematocrit
HD	High Dose
IgG	Gamma Immunoglobulin
Kg	Kilogram
Lymp	Lymphocyte
M	Male
Mo	Monocytes
MCH	Mean Corpuscular Hemoglobin
MCHC	Mean Corpuscular Hemoglobin Concentration
mg	Milligram
MNPCE	Micro Nucleated Poly Chromatic Erythrocytes
MPV	Mean Platelet Volume
NCE	Normo Chromatic Erythrocytes
NP	Neutrophils
No	Number

3.0 ABBREVIATIONS (Contd...)

Abbreviation	Details
LOAEL	Lowest Observed Adverse Effect Level
PCE	Poly Chromatic Erythrocytes
PCT	Plateletcrit
PHA	Phyto Hemagglutinin
PLT	Platelet count
RBC	Red Blood Cell
RDW	Red Cell Diameter Distribution Width
SDR	Sprague Dawley Rats
SD	Standard Deviation
SE	Standard Error
TD	Therapeutic Dose
VC	Vehicle Control (Saline)
WBC	White Blood Cell
X	Times

4.0 STUDY PERSONNEL

4.1 PCT Coordinator

Dr. B. Sesikeran
Director, NIN

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3. Mr. S. Sharath babu, M. Sc
4. Mrs. G. Rama devi, M.Sc
5. Mr. R. Ramesh Kumar, M.Sc
6. Ms. K. Kusuma Kumari, M.Sc

Biochemistry:

1. Mrs. B. R. Annapurna, B.Sc. AIC (Chemistry)
2. Mrs. S. A. Brinda, B.Sc. AIC (Chemistry)

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1. Mrs. K. Sharadha, M.Sc
2. Mr. Armugham, S.S.C
3. Mr. M. Srinivas, M.Sc, P.G.D.M.L.T
4. Mrs. G. Sailaja, B.Sc
5. Mr. Khaja Ather Hussain, B.Sc (MLT)

STUDY DETAILS

6.0 GENERAL INFORMATION

6.1	**Study Number**	01 – 10
6.2	**Sponsor**	**BIOMIX NETWORK Ltd.,** C/o Kheda Satellite Dairy, Near khatraj Cross Road, Khatraj–387130 Gujarat, INDIA.
6.3	**Test facility**	Centre for Advanced Research for Pre–Clinical Toxicology, Food & Drug Toxicology Research Centre, National Institute of Nutrition (Indian Council of Medical Research) Hyderabad, INDIA, 500 604.
6.4	**Study Center**	National Centre for Laboratory Animal Sciences, National Institute of Nutrition (Indian Council of Medical Research) Hyderabad, INDIA, 500 007.
6.5	**Study Personnel**	
	Study Director	Dr. B. Dinesh Kumar, Ph.D.
	PCT Coordinator	Dr. B.Sesikeran, M.D.
	Study Investigators	1. Dr. Kalpagam Polasa,Ph.D 2. Dr. N.V. Giridharan ,Ph.D 3. Dr. P. Uday Kumar, M.D. 4. Dr. R. Hemalatha, MD. 5. Dr. SSYH Qadri, M.V.Sc. 6. Dr. N.Hari Shankar,Ph.D. 7. Dr. M.V. Surekha, M.D

6.6 Study Schedule

6.6.1	Receipt of request for study	30.01.2010
6.6.3	Receipt of test compound	Refer Append – I

6.6.4 Acute Toxicity Study in RATS

Date of receipt of animals	28.01.2010
Approval of internal time schedule	11.02.2010
Acclimatization period	28.01.2010 to 10.02.2010
Randomization	11.02.2010
Drug exposure	15.02.2010
Observation Period	15.02.2009 to 02.03.2010
Euthanization of animals	02.03.2010

6.6.5 SUB – CHRONIC Toxicity Study in RATS

Date of receipt of animals	12.04.2010
Approval of internal time schedule	13.04.2010
Acclimatization period	12.04.2010 to 18.04.2010
Initial randomization	19.04.2010
Urine Examination (Pre – exposure)	22.04.2010
Drug exposure (Daily for 45days)	23.04.2010 – 06.06.2010
Randomization (Mid term)	04.06.2010
Urine Examination (post exposure of Mid term animals)	07.06.2010
Euthanization (50% of animals on 47th day), Biochemical, hematology and histopathology.	08.06.2010
Urine Examination (post exposure of final term animals)	18.06.2010
Euthanization (Remaining 50% of animals on 60th day), biochemical, hematology and histopathology.	22.06.2010
Statistical Analysis	16.09.10
Submission of draft report	18.02.2011
Submission of final report	31.5.2011

6.7 Data Retention

All raw data, documentation, records, specimens, slides, protocols and final reports generated as a result of this study were kept confidential, inventoried and archived by the Archiving Officer at archives room of the main building of NIN. The retention duration of these records and the excess test material provided by the sponsor kept under appropriate storage conditions will be for 6 years after the submission of the final report.

6.8 Statement

The test results relate only to the items tested, the final report shall not be reproduced in part without the written approval of the competent authority.

MATERIALS AND METHODS

7.1 Test compound (supplied as) : **Colostrum Milk Product (Receptol)** Supplied along with certificate of analysis.

7.1.1 Test Compound Details : Refer Appendices – I, II & VII

Test compound	:	Colostrum Milk Product (Receptol)
Vehicle	:	Distilled water
Lot No/ Mfg Date/Validity	:	Lot. No. 01L0109 Mfg. Date–November. 2009 Validity– Not mentioned
Dose	:	12 ml (4 times per day (each spray delivers 0.75ml of RECEPTOL (Refer annexure – III)
Name of the manufacturer	:	BIOMIX NETWORK Ltd., C/o Kheda Satellite Dairy, Near khatraj Cross Road, Khatraj–387130 Gujarat, INDIA.
Dosage form	:	Liquid
Route of administration	:	Oral (Through gavage)

7.1.2 Test compound preparation:

The test compound used was provided by the sponsor in 100 ml bottles (Refer Appendix – I, II & III). The test groups are Therapeutic dose (TD), Average dose (5 X TD) & High dose (10 X TD) group. The test compound was administered in 0.216 ml for TD, 1.08 ml for AD and 2.16 ml for HD group of animals respectively. The Vehicle control (VC) group received 3ml distilled water. (Appendix – VIII).

7.2 Test system:

7.2.1 Acute Toxicity test: Sprague Dawley rats of 4–6 weeks of age, weighing 150–180 gm of both sexes have been used.

7.2.2 Sub – Chronic toxicity test: Sprague Dawley rats of 4 – 6 week's age, weighing 150 –180 gm of both sexes have been used.

7.2.3 Source: National Centre for Laboratory Animal Sciences (NCLAS)
CPCSEA Registration No: 154/1999
National Institute of Nutrition, (ICMR)
Hyderabad – 500 007 AP.

7.2.4 Ethical Clearance no: The study has been conducted after obtaining approval of IAEC (No. P15/8–2009/BDK), (Refer Appendix – VI)

7.2.5 Housing: The animals were housed as a group. In each group first three animals in one cage and remaining three animals in second cage were housed in a row in standard techniplast individually ventilated cages with top grill having facilities for feed and drinking water in polycarbonate bottles with stainless steel sipper tubes.

7.2.6 Husbandry: (SOP NO: 05/PHARM/NIN/CO1/EM/2006/OL)
The animal rooms were maintained at 21 ± 2°C, with 10 – 15 air changes per hour and relative humidity was maintained between 50 –55% with a 12 hour light/dark cycle.

7.3 Animal Identification: (SOP NO: 06/PHARM/NIN/CO1/AI/2006/OL)

In Acute toxicity study all animals were housed in group of three with appropriate identification on cages. Animals in each cage were identified by their ear cuts (No cut / Right cut / Left cut). The unique ID no's were given. In addition cage cards were also marked. (Refer Appendix – X).

In Sub Chronic toxicity study animals receiving the same treatment were housed in a group in a row. In a group first three animals were housed in one cage and remaining three animals were in another cage. Animals in each cage were identified by their ear cuts (No cut / Right cut / Left cut) and each animal were identified by their unique ID no's given. In addition cage cards were also marked. (Refer Appendix – X).

S.No	Group details	Sex	Unique ID No	
			From	To
Acute toxicity test				
1	(Rat) 50 x TD	M	11541001	11541006
		F	11542001	11542006
SUB – CHRONIC toxicity test by oral				
1	Vehicle control (VC)	M	12511001	12511006
		F	12512025	12512030
2	Therapeutic dose (TD)	M	12521007	12521012
		F	12522031	12522036
3	Average dose (5 X AD)	M	12531013	12531018
		F	12532037	12532042
4	High dose (10 X TD)	M	12541019	12541024
		F	12542043	12542048

7.4 Study design

7.4.1 Acute toxicity test (Rats)

A total of 12 rats (6 Males+ 6 Females) weighing 150–180 gm and 4–6 weeks old were subjected to 50 times of intended therapeutic dose, through oral route. The animals were observed for lethality every hour initially for first 6 hours, followed by daily observation of animals for 14 days. (Refer Table – I).

7.4.2 Sub – Chronic Toxicity Test

A total of 48 Rats (24 Males + 24 Females) were divided into four groups viz., Vehicle control (VC), Therapeutic dose (TD), Average dose (5XTD) and High Dose (10 x TD). The test substance was administered continuously for 45 days orally through gavage in various volumes per each group animals viz. 0.216 ml – TD group, 1.08 ml – AD group and 2.16 ml – HD group per 200g rat.

All the animals were observed for pre–terminal morbidity and mortality. Live phase of animals, cage side observation, physical and neurological examinations were conducted at regular intervals. The clinical chemistry profile for 50% of animals on 48hrs of post exposure and remaining 50% of animals on

15th day of post exposure were observed. This is followed by necropsy and histopathological examination of all vital organs viz., brain, thymus, spleen, bone marrow, kidney, skin, heart, lung, trachea, thyroid, adrenals, sternum, liver, gall bladder, lymph nodes, sciatic nerve, gastrointestinal tract, testes/ovaries, uterus on 48hrs of last exposure in (50% of animals) and on 15th day of last exposure (remaining 50% animals). (Refer Table – IV).

7.5 STATISTICAL ANALYSIS

Department of statistics was responsible and involved from planning–stage as well as throughout the entire study.

7.5.1 Sample size Determination:

Sample size required for the study was determined as per the protocol of the regulatory authorities.

7.5.2 Study Design:

The study design takes care of 'a priori' rationale for the target difference between the treatments and the control. This was designed to detect the difference and also the power to detect such a difference taking into consideration all the available relevant information in the judgment of statistical differences observed for clinical differences. Proper measures were always taken to avoid bias particularly by applying randomization methods, local control methods and blinding of the study.

7.5.3 Randomization:

Randomization ensured the allocation of treatments to animals/groups was independent of their characteristics and were similar in all the groups. It was also taken care while randomization, base variables were homogenized and were allotted to different groups.

The need for randomization applies not only to the allocation of the animals to the different (control as well as treatment) groups but also to anything that can materially affect the recorded response.

7.5.4 Blinding:

As far as possible utmost care was taken to maximize the degree of blindness. The investigators or the analysts who were concerned with this study did not

know which treatment was given to the groups. This was taken care till the project was completed and at the end the code was broken for the analysis.

7.5.5 Analyses for different Types of Response variables:

Presence/absence of a condition.

Treatment groups were compared with vehicle control by Fisher's exact or Chi–square test.

Ranked: A condition at various discrete levels.

Between group comparisons by means of Kruskal–Wallis one–way ANOVA and individual group comparisons by Mann–Whitney U test (treatment groups with vehicle control) were the method of analysis.

Continuous variable: takes any value within a given range.

Heterogeneity of variance was tested by Levene's statistic. After confirming homogeneity, One–way ANOVA was done for between group significant F–ratio. Post–hoc tests by means of Dunnett's were carried out for comparison of treatment groups with vehicle control. In case of heterogeneity of variance the data was subjected to Log transformation. Even after transformation if the heterogeneity persisted the distribution free methods (Non parametric methods) were used for analysis of data.

7.5.6 Level of Significance:

Two–tailed probability level of 0.05 was set in these experiments for rejecting the null hypothesis.

7.5.7 Computer package:

Statistical analysis was carried out on SPSS 15.0 windows version.

7.5.8 Statistical methods

Presence/absence data

Individual group comparisons	:	Fisher's Exact Test **2X2** Corrected Chi–square Test
Between group comparisons	:	2Xk Chi–square Test (of k groups)

Ranked Data

Individual group comparisons	:	Mann–Whitney U Test
Between group comparisons	:	Kruskal–Wallis one–way ANOVA (of k groups)

Relation Between Variables	:	Spearman Rank Correlation Coefficient
Paired Comparison	:	Wilcoxon matched–pair signed rank test

Continuous Data

Test for Homogeneity of Variance	:	Levene's/Bartlett Test
Between group comparisons	:	One–way ANOVA
Individual group comparisons	:	Dunnett's Post Hoc Test
Relation between Variables	:	Pearson's Correlation Coefficient
Paired Comparison	:	Matched Paired t– test

When confounding effect of other variables was observed with respect to a response variable, stratification methods were applied to account for the confounding effect.

7.6 OBSERVATIONS

7.6.1 FUNCTIONAL OBSERVATION BATTERY

The extensive pharmacological profile for the safety assessment of the test compound was conducted using standard International guidelines. This includes the monitoring of the following parameters:

7.6.1.1 LIVE PHASE OF ANIMALS (SOP NO: 10/PHARM/NIN/CO1/LOP/2006/OL)

General Behavior

Observations on behavioral abnormalities of the animals viz. active, not active, partially active & hyperactive were recorded every day.

Water intake

The water intake was qualitatively monitored daily.

Feed intake

The feed intake was quantified daily on standard electronic balance.

Body weight

Body weights were recorded at the time of conditioning period, pre and post exposure to the test compound. The recording was done thrice weekly and rounded up to the nearest gram. The weights were recorded using Sartorious electronic balance

7.6.1.2 CAGE SIDE OBSERVATIONS: (SOP NO: 11/PHARM/NIN/C01/CSA/2006/02)

The following physiological activities, cage side observation were monitored daily.

Home cage activity

The animals exposed to test compounds were monitored for their home cage activity viz., lying on side, resting, and alertness.

Faeces excretion

The faecal amount, colour and consistency, were recorded daily.

Urine Amount & Colour

Urine amount & colour was monitored qualitatively every day.

Behaviour while removing from cage

Behaviour of the animal while removing from cage was recorded whether the animal is quiet easily removed / runs around in the cage / oriented towards the investigator/aggressive or any vocalization.

7.6.1.3 PHYSICAL EXAMINATION: (SOP NO: 12/PHARM/NIN/CO1/PE/2006/OL)

Physical examinations were made periodically and the following observations were recorded:

Hair coat

The physical appearance of hair coat whether it is clean/groomed/soiled was observed daily.

Piloerection

The animals were observed for piloerection.

Respiration character and Respiratory rate

Respiration character was observed (viz. normal, decreased, increased, shallow, deep, gasping) thrice–weekly using standard procedures.

Lacrimation

The presence of eye secretions if any (slight, moderate & severe) were recorded at least thrice weekly.

Salivation

The salivation (slight, excess etc.) was recorded thrice in a week.

Eye prominence & eyelid (s) closure

The appearance of eye (normal, exophthalmus, endophthalmus) and eyelid closure was also observed thrice in a week.

Convulsions

Convulsions if any were recorded immediately after the exposure to the test compound and daily during the post exposure phase.

Biting

Biting character was also recorded.

Tremors

The presence of specific tremors (body, head, impaired locomotion) if any was recorded

7.6.1.4 NEUROLOGICAL EXAMINATION: (SOP No: 13/PHARM/NIN/C01/NE/2006/OL)

The effect of test compound on neurological activity was evaluated by following parameters.

Locomotor activity

The locomotory activity was recorded tri weekly for all the animals

Rearing activity

The rearing activity includes didn't rear, rear on hind limbs with and with out use of tail was observed tri–weekly for all the animals.

Static limb position

The static limb position of the animal was recorded tri–weekly.

Tail Elevation

The tail elevation includes lifted while walking, occasionally lifted, tail getting injured, tail cut etc. was observed tri–weekly.

Abnormal gait

The abnormal gait viz. spastic, waddling, dragging hind limbs etc. was observed thrice a week.

Ataxic gait

The ataxic gait includes falling frequently; walking inability etc. was observed thrice–weekly.

Head position

The position of the head in the animals was recorded twice a week during the monitoring of weight gain.

Pinna touch response

The pinna touch response was recorded by touching with a blunt object inside pinna and the response was recoded thrice a week.

7.6.1.5 ALLERGENICITY: (SOP NO: 14/PHARM/NIN/CO1/A/2006/OL)

The effect of test compound on allergenicity profile was evaluated by following parameters.

Erythema

Skin reactions (redness of skin) were observed daily for all animals.

Alopecia

Hair loss was observed daily for all animals.

Eye appearance

Watering and congestion of eyes and eye appearance was observed daily for all animals.

7.6.1.6 Immunology (IgG):

Blood samples from the rats, were collected from orbital plexus at two time points that is 48hrs and 15days after the last dose of the test compound. The blood samples thus collected were centrifuged at 1500 rpm for 10 minutes to separate the serum for immunoglobulin estimation.

The Enzyme linked immunosorbent assay (Rat IgG ELISA quantitation set, Bethyl laboratories) was used to estimate the serum total IgG in Colostrum fed Sprague Dawley rats. The procedure briefly consists of; coating the 96 well plates with antibody and incubating the plates at room temperature for one hour. After specified incubation the plates were washed and blocked with blocking solution (Sigma). After serum samples and conjugated detection antibody were added, the absorbance was measured at 450nm by using Biotek Multimode Detector

Total serum IgG concentration in Sprague Dawley rats fed with colostrums milk product (Receptol) for 45 days was compared with vehicle control at 45 days and 15 days after feeding colostrum.

7.6.2 CLINICAL LABORATORY INVESTIGATIONS:

7.6.2.1 Urine qualitative: (SOP NO: 15/PHARM/NIN/CO1/QUE/2006/OL)

The following parameters were qualitatively tested by using urinalysis strip test in Cliniteck status analyzer (SIEMENS).

i) before exposure to test compound and ii) 48 hrs of post exposure and 15th day of post exposure in sub – chronic toxicity test after exposure and before euthanization (Urine collection was done for 12 hours before testing):

i) Glucose, ii) Bilirubin, iii) Ketone, iv) Specific gravity, v) Blood
vi) pH, vii) Protein, viii) Urobilinogen, ix) Nitrites and x) Leucocytes

The optical system consists of six light emitting diodes, a light guide, a mirror, a lens and a detector light from the LED's travels along with light guide and is reflected off the calibration bar, strip or cassette onto the mirror. It is then directed through an aperture on the lens from where it is focused onto the detector. The light intensity detected is converted into electrical impulses which are processed by the instrument's microprocessor and converted into clinically

meaningful results. When carrying out analysis on a urine analysis strip, the test table positions strip pads in the 'read area'. The light reflected at specific wavelengths (470nm, 525nm, 565nm, 625nm, 660nm and 845nm) from the test pad is depended up on the degree of colour change in the pad and is directly related to the concentration of particular constituent in the urine.

7.6.2.2 Clinical Chemistry:

Blood samples from the rats, fasted for 12 hrs, were drawn at different intervals after test compound exposure that is within 48 hours after last exposure and on 15th day of last exposure from the orbital plexus, collected in heparinized vacutainer tubes and centrifuged at 3000 rpm for 10 minutes to separate the plasma for clinical chemistry analyses.

Quality control samples at two levels (level 1 and level 2) supplied by Wipro Biomed were used to establish the precision and accuracy of the analyses. Following are the principles underlying various analyses carried out.

Plasma glucose, creatinine, AST and ALT were estimated using ACE^{TM} auto analyzer (Schiapparelli Biosystems, supplied by Wipro Biomed) at the Food and Drug Toxicology Research Centre, National Institute of Nutrition, Indian Council of Medical Research. All analytical kits were purchased from Wipro Biomed.

ALT (U/L) :

Alanine aminotransferase was assayed based upon the transamination reaction mediated between L–Alanine and 2–Oxoglutarate resulting in the formation of Pyruvate and L– Glutamate. The resulting pyruvate was enzymatically transformed to lactate by the NADH–dependent Lactate dehydrogenase(LDH). A redox system involving NADH – NAD was adopted for this purpose.

AST (U/L) :

Aspartate aminotransferase was assayed based upon the transamination of aspartic acid to 2–Oxoglutaric acid. The resulting Oxaloacetate was enzymatically transformed to malate by the NADH–dependent malate dehydrogenase (MDH). A redox system involving NADH – NAD was adopted for this purpose.

Alkaline phosphatase

ALP is determined using the following reaction.

P–nitrophenylphosphate + H_2O $\xrightarrow{\text{Alkaline Phosphatase}}$ p–nitro phenol + Phosphate

The rate of the reaction was measured at 408 nm.

Lactate dehydrogenase (LDH):

This is a modification of the optimized standard method according to the recommendations of the Deutsche Gesellschaft Fur Klinische Chemie.

$$\text{Pyruvate} + \text{NADH} + H^+ \xrightarrow{\text{LDH}} \text{L – Lactate} + NAD^+$$

The rate of the reaction is measured at 340nm.

Albumin (ALB):

The complex formed with Bromocresol green estimates albumin.

Bromocresol green + Albumin (yellow) ⟶ Bromocresol green Albumin Complex (green)

The increase in absorbance, as albumin complexes with the dye, was measured bichromatically at 629 nm/692 nm. This increase was proportional to the amount of albumin present in the sample.

Creatinine (mg/dl):

Creatinine reacts with picric acid reagent under alkaline conditions to form a red –orange complex. Change in absorbance was measured at 505 nm.

Calcium:

Calcium levels in plasma samples can be determined by Arsenazo reagent. Arsenazo reacts with calcium in an acid solution to form a bluish–purple colored complex. The amount of colored complex formed is quantified by determining the absorbance of the reaction mixture bichromatically at 647 nm/692 nm. At this wavelength, there is a linear relationship between absorbance, corrected for the reagent blank and the amount of calcium – arsenazo complex.

$$\text{Arsenazo III} + Ca^{++} \longrightarrow \text{Colored Complex}$$

$$\text{Colored complex} + \text{EDTA} \longleftarrow \text{CaEDTA} + \text{Arsenazo III}$$

Cholestrol :

Cholesterol in plasma can be determined as Cholesterol esters in the serum are completely hydrolyzed to the cholesterol & free fatty acids by pancreatic cholesterol esterase.

$$\text{Cholesterol ester} + H_2O \xrightarrow{\text{Cholesterol esterase}} \text{Cholesterol} + \text{fatty acids}$$

The cholesterol liberated by the esterase, plus any free Cholesterol originally present in the serum, are both oxidized by cholesterol oxidase.

$$\text{Cholesterol} + O2 \xrightarrow{\text{Cholesterol Oxidase}} \text{Cholestene – 3 – one} + H_2O_2$$

The liberated peroxide reacts with phenol & 4 – aminoantipyrine in a peroxide catalyzed reaction to form a quinoneimine dye which absorbs at 500 nm.

$2\ H_2O_2$ + 4 – Aminoantipyrine + Phenol $\xrightarrow{\text{Peroxides}}$ Quinoneimine + $4\ H_2O$

The change in absorbance is measured bichromatically at 505 nm / 692 nm and is directly proportional to the amount of cholesterol present in the sample.

Glucose (mg/dl):

Glucose was determined after enzymatic oxidation in the presence of glucose oxidase. The formed hydrogen peroxide reacts under catalysis of peroxidase with phenol and 4–aminophenazone to form a red – violet quinineimine dye as indicator. The absorbance of the reaction was bichromatically measured at 505–nm/692 nm.

Proteins

Copper ions complex with the peptide bonds of protein under alkaline conditions to form a violet–coloured compound. The amount of the violet complex which is proportional to the increase in absorbance was measured bichromatically at 544 nm/692 nm.

Bilirubin

Sodium nitrite was added to sulfanilic acid to form diazotized sulfanilic acid. The bilirubin in the plasma sample reacts with the diazotized sulfanilic acid to form an azo bilirubin compound, which has an absorbance at approximately 550 nm. The inclusion of DMSO in the reagent as an accelerator causes both the direct and indirect bilirubin to react rapidly. The absorbency was measured bichromatically at 544 nm/ 647 nm and was proportional to the Total Bilirubin concentration in plasma.

Urea

In the presence of urease, urea was hydrolyzed to yield ammonia and carbon dioxide. The ammonia formed then reacts with 2–oxoglutarate in the presence of glutamic dehydrogenase and NADH. The absorbance of the reaction kinetics was measured bichromatically at 340nm/647 nm. The slope of absorbency versus time is directly proportional to the concentration of urea.

Triglycerides:

Triglycerides in plasma can be determined by alfa wassermann reagent kit by an enzymatic method.

Triglycerides $\xrightarrow{\text{lipases}}$ glycerol + fatty acids

Glycerol + ATP $\xrightarrow{\text{GK}}$ G – 3 –P + ADP

$$G-3-P + O_2 \xrightarrow{GPO} \text{di hydroxyacetone – phosphate} + H_2O_2$$

$$2\,H_2O_2 + 4\text{ Amino antipyrin} + 4\text{ chlorophenol} \xrightarrow{POD} \text{Quinoneimine} + HCl + 4H_2O$$

ATP – Adenosine – 5¹ – triphosphate
GK – Glyecerol kinase
G–3–P – Glycerol – 3 phosphates
ADP – Adenosine – 5 – diphosphate
GPO – glycerol– 3 phosphate oxidase

The change in absorbance is measured biochromatically at 505nm/692nm and is directly proportional to the amount of triglycerides present in the sample.

7.6.2.3 Hematology :

Hematological investigations included – Total White Blood Cell (WBC) count, Red Blood Cell (RBC) count, Hemoglobin (Hb), Hematocrit (HCT), Mean Corpuscular Volume (MCV), Mean Corpuscular Hemoglobin (MCH), Mean Corpuscular Hemoglobin Concentration (MCHC), platelet count, Mean Platelet Volume (MPV) and differential leucocyte counts, clotting time and prothrombin time. These investigations were carried out using the blood samples drawn 48hrs after last exposure and 15th day of post exposure in SUB – CHRONIC toxicity test. The samples were drawn into tubes containing EDTA K2 from the orbital plexus using heparinized microhaematocrit tubes and analyzed on an automated blood cell counter (ADVIA 120).

The whole blood sample is mixed with ADVIA 120 BASO reagent that contains acid and surfactant. The red cells are hemolyzed and the white blood cells are then analyzed using 2 angle laser light scatter signal. Both red cells and platelets are analyzed by a single optical cytometer after appropriate dilution of the blood sample with ADVIA 120 RBC/PLT reagent. The method of sizing red cells and platelets uses the simultaneous measurement of laser light scattered at 2 different regular intervals. Hemoglobin is estimated by cyanmethemoglobin method and red cell indices are derived from mathematical calculations.

7.6.3 NECROPSY & HISTOPATHOLOGY

7.6.3.1 Organ weights

After detailed gross necropsy examination, the following organs were collected from each animal and the weights were recorded using a top loading

electronic weighing machine: Liver, Spleen, Kidney, Lungs, Heart, Brain and Ovaries or Testes.

7.6.3.2 Gross changes in organs :

After the experimental period, the rats were fasted overnight (water was provided) and euthanized by CO_2 inhalation (CO_2 chamber) and subjected to gross necropsy and findings were recorded. External features suggesting any abnormality were also recorded. After opening the chest and abdominal cavities, an in–situ examination of organs was done. The individual organs were again examined for gross morphological changes (if any) after removal.

7.6.3.3 Histopathology :

The following organs and tissue samples were collected from all the animals and preserved in 10% neutral buffered formalin: Brain, spinal cord, thymus, spleen, bone marrow, kidney, skin, heart, lungs, trachea, thyroid, adrenals, sternum, liver, gastrointestinal tract, testes and uterus with ovaries. The organs were sliced adequately. After a minimum of 24 hrs fixation, they were sampled and processed by conventional methods, paraffin blocks were made and 4 μm paraffin sections were obtained which were stained with Hematoxylin and Eosin and examined under a research microscope. Histological changes in tissues were recorded and compared with corresponding controls. Histopathological findings were coded (Refer Appendix – XI) and statistically analyzed for differences.

8.0 STUDY RESULTS

8.1 ACUTE STUDY RESULTS (Rats) : (Refer Table – I)

There were no pre–terminal deaths recorded in animals after exposure of fifty times of intended therapeutic dose (50XTD). All animals were active through out the experimental period of 14 days.

8.2 SUB – CHRONIC STUDY RESULTS

8.2.1 PRE–TERMINAL DEATHS: (Refer Table – II)

No Pre–terminal deaths were recorded in animals exposed with different concentrations viz. Vehicle control, TD, AD (5XTD). However one female (8%) on day 16th in HD (10X TD) group died during experimentation.

8.2.2 FUNCTIONAL OBSERVATION BATTERY:

8.2.2.1 Live phase of animals:

General Behaviour

All the animals in all the groups were active before and after the exposure to test compound (Refer Table – III).

Water intake

The water intake was found to be adequate in all groups (Refer Table – II)

Food intake

The food intake was found to be adequate in all groups (Refer Table – IV)

Body weight

The gain in body weights was uniform and no significant treatment effect was seen in all groups of animals during the experimentation phase. (Refer Table – V)

8.2.2.2 Cage side observations:

Cage side observations were conducted twice in a week. The following observations were made. (Refer Table – VI).

Home cage activity

There was no abnormal activity across the groups of animals due to test compound administration. All animals were found to be normal in the cages whereas one or two animals were found to be lying on side of the cage or alert towards the investigator on 7th, 15th, 22nd, 31st, 37th, 44th, and 51st days in all groups respectively.

Faeces colour, consistency & amount

There were no significant abnormalities in the faecal colour in most of the animals and there were no abnormalities in faeces amount during the experimental period in all the animals.

Urine Amount & Colour

There were no abnormalities in the amount & colour during the experimental period in all the groups

Behaviour while removing from cage

All animals were found to be normal and they can be quite easily removed from the cages.

8.2.2.3 Physical examination:

Physical examination was conducted twice in a week. The following observations were made (Refer Table – VI).

Hair coat

The clean groomed hair coat was observed in all the animals exposed to test compound.

Piloerection

No piloerection was observed in all the groups.

Lacrimation

No excessive lacrimation was observed during the experimental period in all the groups.

Salivation

No excessive salivation was observed during the experimental period in all the groups.

Respiration character and rate

There were no significant abnormalities in respiration character and rate in all groups of animals during the experimental phase.

Eye prominence & eyelid closure

There was no eye prominence before and after exposure of the test compound.

Convulsions

There were no convulsions recorded immediately after the administration of test compound and post exposure in any group of animals.

Biting

There was no aggressiveness and biting character in all the groups.

Tremors

There were no tremors in the animals before and after exposure to the test compound.

8.2.2.4 Neurological examination:

The neurological observations are indicated in (Refer Table –VIII)

Locomotor activity

The locomotor activity was found to be normal in all groups of animals.

Rearing activity

None of the animals were found to be rearing on hind limbs with use of tail.

Static limb position, Abnormal gait, Pinna touch response

There were no abnormal limb positions, gait or pinna touch response in all groups of animals.

Tail elevation, Head position

All the animals in all groups lifted tail while walking during the observation period. Head position was normal without tilt.

8.2.2.5 Allergenicity

The effect of test compound on allergenicity profile was evaluated by following parameters. (Refer Table – IX)

Skin reaction and Hair loss

No skin reaction or hair loss was observed in all animals.

Watering and congestion of eyes

Watering and congestion of eyes were found to be absent in all animals.

8.2.2.6 Immunology:

The serum IgG concentration in Colostrum fed SD rats was comparable to vehicle control rats.

8.2.3 CLINICAL LABORATORY INVESTIGATIONS:

8.2.3.1 Urine Qualitative: [Refer Tables – X (A & B)]

Qualitative urine analysis before and after exposure to test material at mid term and final killing showed no dose related abnormality in any of the parameters tested in any of groups as compared to the vehicle control group.

8.2.3.2 Clinical chemistry: (Refer Tables – XI)

There were no significant differences in any of the treated groups in all clinical parameters when compared to vehicle control group.

8.2.3.3 Hematology: (Refer Tables – XII)

No differences were observed between experimental and control groups.

8.2.4 NECROPSY & HISTOPATHOLOGY:

8.2.4.1 Organ weights: (Refer Table – XIII)

All organ weights were not different between groups except testis weight which was significantly decreased in TD and HD groups at mid term as compared to other groups including vehicle control group. However, histopathology study did not show any differences and there was no difference at final term. Hence, not considered significant.

8.2.4.2 Gross changes: [Refer Tables – XIV (A & B)]

No gross changes were seen which were different between the groups

including vehicle control (both at mid term and final stages).

8.2.4.3 Histopathology:

Mid term: [Refer Table–XV – (A)]

All organs were normal except the following:

a) Lungs – Abscess presence as well as higher grades of pneumonitis with other changes were seen more in HD group as compared to VC.

b) Liver – Various lesions mentioned were seen more in HD group than VC.

c) Trachea & Lymph nodes – Tracheitis and lymphnode hyperplasia were more in HD than VC.

d) Kidney – Focal calcifications were seen in both HD and VC groups.

Final term: [Refer Table–XV – (B)]

a) Lungs – Congestion present as well as pneumonitis were seen more in HD group than VC group animals.

b) Trachea – Tracheitis was seen in both HD and VC groups.

c) Kidney – Focal calcifications were seen in both HD and VC groups.

d) Liver – Various lesions mentioned were seen more in HD group than VC.

9.0 SUMMARY :

In the sub chronic study, pre terminal death of one female rat in 10X TD group was recorded. However there were no significant changes in general behaviour, physical parameters, neurological parameters, urine examination, clinical chemistry, Serum IgG levels and haematology profile. There were no abnormal changes by histopathology evaluation and the autopsy of dead female rat also did not show any changes that could be attributed to test compound administration.

10.0 CONCLUSION:

There was no lethality on single exposure (Acute study) to fifty times of the intended therapeutic dose in rat. In Sub – Chronic toxicity study no pre–terminal deaths were observed in VC, TD and AD, while a single rat died in HD group on 16th day of test exposure. In all surviving animals apart from routine activity, biochemical and haematological profile were found to be normal. By histopathology evaluation, the various changes seen in experimental animals were also seen in control and hence considered not significant and not attributable to test compound administration.

SUMMARY TABLES

ACUTE TOXICITY STUDY IN SD – Rats

TABLE – I

Acute study

Mortality of Rats

S. No	Unique. Id	Sex	Pre–terminal deaths	Activity*
1.	11541001	M	X	1
2.	11541002	M	X	1
3.	11541003	M	X	1
4.	11541004	M	X	1
5.	11541005	M	X	1
6.	11541006	M	X	1
7.	11542001	F	X	1
8.	11542002	F	X	1
9.	11542003	F	X	1
10.	11542004	F	X	1
11.	11542005	F	X	1
12.	11542006	F	X	1

* 1 – Active, 2 – Inactive, 3 – Dead
X– No death, Y– Dead, M– Male, F– Female

SUB – CHRONIC TOXICITY STUDY IN SD – RATS

TABLE – II

Sub – Chronic

Mortality of Rats

S.No	Days of observation	VC		TD		AD (5XTD)		HD (10XTD)	
		M	F	M	F	M	F	M	F
1.	1	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
2.	2	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
3.	3	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
4.	4	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
5.	5	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
6.	6	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
7.	7	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
8.	8	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
9.	9	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
10.	10	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
11.	11	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
12.	12	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
13.	13	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
14.	14	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
15.	15	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
16.	16	0/6	0/6	0/6	0/6	0/6	0/6	0/6	1/5
17.	17	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
18.	18	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
19.	19	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
20.	20	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
21.	21	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
22.	22	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
23.	23	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
24.	24	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
25.	25	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
26.	26	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
27.	27	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
28.	28	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
29.	29	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5

TABLE – II

Sub – Chronic

Mortality of Rats (Contd...)

S.No	Days of observation	VC		TD		AD (5XTD)		HD (10XTD)	
		M	F	M	F	M	F	M	F
30.	30	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
31.	31	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
32.	32	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
33.	33	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
34.	34	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
35.	35	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
36.	36	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
37.	37	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
38.	38	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
39.	39	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
40.	40	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
41.	41	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
42.	42	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
43.	43	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
44.	44	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
45.	45	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
46.	46	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/5
47.	47	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2
48.	48	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2
49.	49	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2
50.	50	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2
51.	51	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2
52.	52	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2
53.	53	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2
54.	54	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2
55.	55	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2
56.	56	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2
57.	57	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2
58.	58	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2
59.	59	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/2

TABLE – III

Sub – Chronic

LIVE PHASE OF ANIMALS

Groups	Day of observation	General behavior (%)		Water intake (%)	
		Active	Not active	Adequate	Inadequate
VC	Baseline	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil
TD	Baseline	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – III

Sub – Chronic

LIVE PHASE OF ANIMALS (Contd...)

Groups	Day of observation	General behavior (%)		Water intake (%)	
		Active	Not active	Adequate	Inadequate
AD (5XTD)	Baseline	100 (12)	Nil	100 (12)	Nil
	7th day	100 (12)	Nil	100 (12)	Nil
	15th day	100 (12)	Nil	100 (12)	Nil
	22nd day	100 (12)	Nil	100 (12)	Nil
	31st day	100 (12)	Nil	100 (12)	Nil
	37th day	100 (12)	Nil	100 (12)	Nil
	44th day	100 (12)	Nil	100 (12)	Nil
	51st day	100 (6)	Nil	100 (6)	Nil
	60th day	100 (6)	Nil	100 (6)	Nil
HD (10XTD)	Baseline	100 (12)	Nil	100 (12)	Nil
	7th day	100 (12)	Nil	100 (12)	Nil
	15th day	100 (12)	Nil	100 (12)	Nil
	22nd day	100 (11)	Nil	100 (11)	Nil
	31st day	100 (11)	Nil	100 (11)	Nil
	37th day	100 (11)	Nil	100 (11)	Nil
	44th day	100 (11)	Nil	100 (11)	Nil
	51st day	100 (5)	Nil	100 (5)	Nil
	60th day	100 (5)	Nil	100 (5)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – IV

Sub – Chronic

FEED INTAKE (g) – SEX POOLED

Groups	Base line	7th day	15th day	22nd day	31st day	37th day	44th day	51st day	60th day
VC	11.78 ± 1.912 (12)	11.59 ± 2.716 (12)	13.21 ± 2.475 (12)	13.77 ± 2.776 (12)	13.86 ± 2.845 (12)	14.05 ± 2.917 (12)	14.25 ± 2.957 (12)	13.71 ± 2.893 (6)	13.73 ± 2.921 (6)
TD	12.51 ± 2.585 (12)	12.90 ± 5.259 (12)	15.38 ± 4.162 (12)	15.92 ± 4.351 (12)	16.062 ± 4.334 (12)	15.97 ± 4.447 (12)	16.22 ± 4.379 (12)	17.32 ± 4.102 (6)	17.37 ± 4.056 (6)
AD (5XTD)	11.08 ± 3.231 (12)	12.24 ± 3.961 (12)	12.66 ± 12.568 (12)	13.367 ± 6.075 (12)	13.45 ± 6.157 (12)	13.61 ± 6.246 (12)	13.57 ± 6.237 (12)	14.07 ± 6.646 (6)	14.14 ± 6.641 (6)
HD (10XTD)	12.08 ± 2.874 (12)	11.00 ± 1.921 (12)	11.36 ± 3.28 (12)	12.46 ± 3.761 (11)	12.49 ± 3.759 (11)	12.84 ± 3.614 (11)	12.98 ± 3.665 (11)	12.49 ± 5.665 (5)	13.99 ± 5.407 (5)

Values are expressed as Mean ± Standard Deviation ( ) No of animals
Tri weekly values are provided in SPSS output.

TABLE – V

Sub – Chronic

BODY WEIGHT (g) – SEX POOLED

Groups	Base line	7th day	15th day	22nd day	31st day	37th day	44th day	51st day	60th day
VC	193.93 ± 37.014 (12)	212.07 ± 34.535 (12)	229.98 ± 41.995 (12)	242.56 ± 49.435 (12)	249.98 ± 54.336 (12)	267.62 ± 63.973 (12)	285.14 ± 78.408 (12)	262.15 ± 90.067 (6)	287.00 ± 80.879 (6)
TD	195.88 ± 38.160 (12)	214.20 ± 35.527 (12)	238.55 ± 46.040 (12)	253.39 ± 50.756 (12)	263.53 ± 50.641 (12)	277.58 ± 56.029 (12)	288.83 ± 61.019 (12)	317.47 ± 44.121 (6)	320.37 ± 41.798 (6)
AD (5XTD)	192.83 ± 34.580 (12)	210.03 ± 39.472 (12)	226.62 ± 52.322 (12)	246.47 ± 67.990 (12)	254.43 ± 75.139 (12)	270.10 ± 86.569 (12)	272.07 ± 88.563 (12)	301.62 ± 86.179 (6)	306.12 ± 85.822 (6)
HD (10XTD)	195.82 ± 34.364 (12)	211.58 ± 43.430 (12)	224.71 ± 52.433 (12)	240.53 ± 56.564 (11)	245.76 ± 61.271 (11)	263.52 ± 68.391 (11)	276.64 ± 76.979 (11)	276.38 ± 113.842 (5)	280.98 ± 117.597 (5)

Values are expressed as Mean ± Standard Deviation ( ) No of animals
Tri weekly values are provided in SPSS output.

TABLE – VI

Sub – Chronic

CAGE SIDE OBSERVATION

Groups	Day of observation	Home cage activity		
		Normal	Lying on side	Alert towards investigator
VC	Baseline	100(12)	Nil	Nil
	7th day	92(11)	8(1)	Nil
	15th day	58(7)	33(4)	8(1)
	22nd day	100(12)	Nil	Nil
	31st day	83(10)	17(2)	Nil
	37th day	100(12)	Nil	Nil
	44th day	92(11)	8(1)	Nil
	51st day	83(5)	17(1)	Nil
	60th day	100(6)	Nil	Nil
TD	Baseline	100(12)	Nil	Nil
	7th day	92(11)	8(1)	Nil
	15th day	83(10)	8(1)	8(1)
	22nd day	100(12)	Nil	Nil
	31st day	100(12)	Nil	Nil
	37th day	83(10)	8(1)	8(1)
	44th day	92(11)	Nil	8(1)
	51st day	67(4)	33(2)	Nil
	60th day	100(6)	Nil	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VI

Sub – Chronic

CAGE SIDE OBSERVATION (Contd...)

Groups	Day of observation	Home cage activity		
		Normal	Lying on side	Alert towards investigator
AD (5XTD)	Baseline	83(10)	8(1)	8(1)
	7th day	92(11)	Nil	8(1)
	15th day	92(11)	8(1)	Nil
	22nd day	83(10)	17(2)	Nil
	31st day	92(11)	Nil	8(1)
	37th day	92(11)	8(1)	Nil
	44th day	75(5)	25(3)	Nil
	51st day	100(6)	Nil	Nil
	60th day	100(6)	Nil	Nil
HD (10XTD)	Baseline	100(12)	Nil	Nil
	7th day	83(10)	8(1)	8(1)
	15th day	100(12)	Nil	Nil
	22nd day	82(9)	18(2)	Nil
	31st day	100(11)	Nil	Nil
	37th day	100(11)	Nil	Nil
	44th day	100(11)	Nil	Nil
	51st day	100(5)	Nil	Nil
	60th day	100(5)	Nil	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VI

Sub – Chronic

CAGE SIDE OBSERVATION (Contd...)

Groups	Day of observation	Faeces Excretion		Faeces colour		Faeces consistency	
		Yes	No	Normal	Pale	Normal	Partially formed
VC	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil
TD	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VI

Sub – Chronic

CAGE SIDE OBSERVATION (Contd...)

Groups	Day of observation	Faeces Excretion		Faeces colour		Faeces consistency	
		Normal	No	Normal	Pale	Pellets	Partially formed
AD (5XTD)	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil
HD (10XTD)	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	31st day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	37th day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	44th day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	51st day	100(5)	Nil	100(5)	Nil	100(5)	Nil
	60th day	100(5)	Nil	100(5)	Nil	100(5)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VI

Sub – Chronic

CAGE SIDE OBSERVATION (Contd...)

Groups	Day of observation	Urine output		Urine color		Behaviour while removing from cage	
		Present	Absent	Normal	Pale	Animal quiet easily removed	Runs around the cage
VC	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil
TD	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VI

Sub – Chronic

CAGE SIDE OBSERVATION (Contd...)

Groups	Day of observation	Urine output		Urine color		Behaviour while removing from cage	
		Present	Absent	Normal	Pale	Animal quiet easily removed	Runs around the cage
AD (5XTD)	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil
HD (10XTD)	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	31st day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	37th day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	44th day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	51st day	100(5)	Nil	100(5)	Nil	100(5)	Nil
	60th day	100(5)	Nil	100(5)	Nil	100(5)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VII

Sub – Chronic

PHYSICAL EXAMINATION

Groups	Day of observation	Hair coat		Piloerection		Respiratory Rate	
		Cleanly groomed	Soiled	Absent	Present	Normal	Increased
VC	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil
TD	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VII

SUB – CHRONIC

PHYSICAL EXAMINATION (Contd...)

Groups	Day of observation	Hair coat		Piloerection		Respiratory Rate	
		Cleanly groomed	Soiled	Absent	Present	Normal	Increased
AD (5XTD)	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil
HD (10XTD)	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	31st day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	37th day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	44th day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	51st day	100(5)	Nil	100(5)	Nil	100(5)	Nil
	60th day	100(5)	Nil	100(5)	Nil	100(5)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VII

Sub – Chronic

PHYSICAL EXAMINATION (Contd...)

Groups	Day of observation	Respiration character		Lacrimation		Salivation	
		Normal	Gasping	Normal	Abnormal	Normal	Increased
VC	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil
TD	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VII

Sub – Chronic

PHYSICAL EXAMINATION (Contd...)

Groups	Day of observation	Respiration character		Lacrimation		Salivation	
		Normal	Gasping	Normal	Normal	Gasping	Normal
AD (5XTD)	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil
HD (10XTD)	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	31st day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	37th day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	44th day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	51st day	100(5)	Nil	100(5)	Nil	100(5)	Nil
	60th day	100(5)	Nil	100(5)	Nil	100(5)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VII

Sub – Chronic

PHYSICAL EXAMINATION (Contd...)

Groups	Day of observation	Eye lid (s) closure		Eye Prominence	Convulsions	Biting	Tremors
		Eye lids open	Eye lids slightly drooping	Normal	Normal	Absent	Absent
VC	Baseline	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	7th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	15th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	22nd day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	31st day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	37th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	44th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	51st day	100(6)	Nil	100(6)	100(6)	100(6)	100(6)
	60th day	100(6)	Nil	100(6)	100(6)	100(6)	100(6)
TD	Baseline	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	7th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	15th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	22nd day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	31st day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	37th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	44th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	51st day	100(6)	Nil	100(6)	100(6)	100(6)	100(6)
	60th day	100(6)	Nil	100(6)	100(6)	100(6)	100(6)

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VII

Sub – Chronic

PHYSICAL EXAMINATION (Contd...)

Groups	Day of observation	Eye lid (s) closure		Eye Prominence	Convulsions	Biting	Tremors
		Eye lids open	Eye lids slightly drooping	Normal	Normal	Absent	Absent
AD (5XTD)	Baseline	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	7th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	15th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	22nd day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	31st day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	37th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	44th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	51st day	100(6)	Nil	100(6)	100(6)	100(6)	100(6)
	60th day	100(6)	Nil	100(6)	100(6)	100(6)	100(6)
HD (10XTD)	Baseline	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	7th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	15th day	100(12)	Nil	100(12)	100(12)	100(12)	100(12)
	22nd day	100(11)	Nil	100(11)	100(11)	100(11)	100(11)
	31st day	100(11)	Nil	100(11)	100(11)	100(11)	100(11)
	37th day	100(11)	Nil	100(11)	100(11)	100(11)	100(11)
	44th day	100(11)	Nil	100(11)	100(11)	100(11)	100(11)
	51st day	100(5)	Nil	100(5)	100(5)	100(5)	100(5)
	60th day	100(5)	Nil	100(5)	100(5)	100(5)	100(5)

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VIII

Sub – Chronic

NEUROLOGICAL EXAMINATION

Groups	Day of observation	Locomotor Activity		Rearing activity	
		Normal	Reduced activity	Did not rear	Rear on hind limbs with the use of tail
VC	Baseline	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil
TD	Baseline	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VIII

Sub – Chronic

NEUROLOGICAL EXAMINATION (Contd...)

Groups	Day of observation	Locomotor Activity		Rearing activity	
		Normal	Reduced activity	Did not rear	Rear on hind limbs with the use of tail
AD (5XTD)	Baseline	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil
HD (10XTD)	Baseline	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil
	22nd day	100(11)	Nil	100(11)	Nil
	31st day	100(11)	Nil	100(11)	Nil
	37th day	100(11)	Nil	100(11)	Nil
	44th day	100(11)	Nil	100(11)	Nil
	51st day	100(5)	Nil	100(5)	Nil
	60th day	100(5)	Nil	100(5)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VIII

Sub – Chronic

NEUROLOGICAL EXAMINATION (Contd...)

Groups	Day of observation	Tail elevation		Static limb position	
		Lifted while walking	Occasionally lifted	Limbs normal	Limbs abnormal
VC	Baseline	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil
TD	Baseline	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VIII

Sub – Chronic

NEUROLOGICAL EXAMINATION (Contd...)

Groups	Day of observation	Tail elevation		Static limb position	
		Lifted while walking	Occasionally lifted	Limbs normal	Limbs abnormal
AD (5XTD)	Baseline	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil
HD (10XTD)	Baseline	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil
	22nd day	100(11)	Nil	100(11)	Nil
	31st day	100(11)	Nil	100(11)	Nil
	37th day	100(11)	Nil	100(11)	Nil
	44th day	100(11)	Nil	100(11)	Nil
	51st day	100(5)	Nil	100(5)	Nil
	60th day	100(5)	Nil	100(5)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VIII

Sub – Chronic

NEUROLOGICAL EXAMINATION (Contd...)

Groups	Day of observation	Abnormal gait	Ataxic gait	Head position	Pinna Touch Response
		None	None	Normal	Normal
VC	Baseline	100(12)	100(12)	100(12)	100(12)
	7th day	100(12)	100(12)	100(12)	100(12)
	15th day	100(12)	100(12)	100(12)	100(12)
	22nd day	100(12)	100(12)	100(12)	100(12)
	31st day	100(12)	100(12)	100(12)	100(12)
	37th day	100(12)	100(12)	100(12)	100(12)
	44th day	100(12)	100(12)	100(12)	100(12)
	51st day	100(6)	100(6)	100(6)	100(6)
	60th day	100(6)	100(6)	100(6)	100(6)
TD	Baseline	100(12)	100(12)	100(12)	100(12)
	7th day	100(12)	100(12)	100(12)	100(12)
	15th day	100(12)	100(12)	100(12)	100(12)
	22nd day	100(12)	100(12)	100(12)	100(12)
	31st day	100(12)	100(12)	100(12)	100(12)
	37th day	100(12)	100(12)	100(12)	100(12)
	44th day	100(12)	100(12)	100(12)	100(12)
	51st day	100(6)	100(6)	100(6)	100(6)
	60th day	100(6)	100(6)	100(6)	100(6)

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – VIII

Sub – Chronic

NEUROLOGICAL EXAMINATION (Contd...)

Groups	Day of observation	Abnormal gait	Ataxic gait	Head position	Pinna Touch Response
		None	None	Normal	Normal
AD (5XTD)	Baseline	100(12)	100(12)	100(12)	100(12)
	7th day	100(12)	100(12)	100(12)	100(12)
	15th day	100(12)	100(12)	100(12)	100(12)
	22nd day	100(12)	100(12)	100(12)	100(12)
	31st day	100(12)	100(12)	100(12)	100(12)
	37th day	100(12)	100(12)	100(12)	100(12)
	44th day	100(12)	100(12)	100(12)	100(12)
	51st day	100(6)	100(6)	100(6)	100(6)
	60th day	100(6)	100(6)	100(6)	100(6)
HD (10XTD)	Baseline	100(12)	100(12)	100(12)	100(12)
	7th day	100(12)	100(12)	100(12)	100(12)
	15th day	100(12)	100(12)	100(12)	100(12)
	22nd day	100(11)	100(11)	100(11)	100(11)
	31st day	100(11)	100(11)	100(11)	100(11)
	37th day	100(11)	100(11)	100(11)	100(11)
	44th day	100(11)	100(11)	100(11)	100(11)
	51st day	100(5)	100(5)	100(5)	100(5)
	60th day	100(5)	100(5)	100(5)	100(5)

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – IX

Sub – Chronic

ALLERGENICITY PROFILE

Groups	Day of observation	Erythema		Alopecia		Eye appearance	
		Absent	Present	Absent	Present	Normal	Abnormal
VC	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil
TD	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – IX

Sub – Chronic

ALLERGENICITY PROFILE (Contd...)

Groups	Day of observation	Erythema		Alopecia		Eye appearance	
		Absent	Present	Absent	Present	Normal	Abnormal
AD (5XTD)	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	31st day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	37th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	44th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	51st day	100(6)	Nil	100(6)	Nil	100(6)	Nil
	60th day	100(6)	Nil	100(6)	Nil	100(6)	Nil
HD (10XTD)	Baseline	100(12)	Nil	100(12)	Nil	100(12)	Nil
	7th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	15th day	100(12)	Nil	100(12)	Nil	100(12)	Nil
	22nd day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	31st day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	37th day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	44th day	100(11)	Nil	100(11)	Nil	100(11)	Nil
	51st day	100(5)	Nil	100(5)	Nil	100(5)	Nil
	60th day	100(5)	Nil	100(5)	Nil	100(5)	Nil

Values are in percentage ( ) No of animals

Tri weekly values are provided in SPSS output.

TABLE – X (A)

Sub – Chronic

URINE EXAMINATION (Qualitative) – MID TERM (Sex pooled)

Groups		VC		TD		AD (5XTD)		HD(10XTD)	
Parameter	Status	1	2	1	2	1	2	1	2
Glucose	Negative	83(5)	100(6)	83(5)	83(5)	100(6)	100(6)	83(5)	83(5)
	Trace	17(1)	Nil	17(1)	17(1)	Nil	Nil	17(1)	17(1)
Bilirubin	Negative	Nil	Nil	Nil	Nil	17(1)	Nil	Nil	17(1)
	Small (+)	67(4)	67(4)	33(2)	50(3)	17(1)	50(3)	50(3)	33(2)
	Moderate(++)	33(2)	33(2)	50(3)	50(3)	67(4)	50(3)	50(3)	50(3)
	Large(+++)	Nil	Nil	17(1)	Nil	Nil	Nil	Nil	Nil
Ketone	Negative	33(2)	Nil	Nil	Nil	17(1)	Nil	17(1)	Nil
	Trace	33(2)	33(2)	83(5)	17(1)	50(3)	Nil	50(3)	Nil
	Small (+)	33(2)	67(4)	17(1)	83(5)	17(1)	83(5)	33(2)	100(6)
	Moderate(++)	Nil	Nil	Nil	Nil	Nil	17(1)	Nil	Nil
	Large(+++)	Nil	Nil	Nil	Nil	17(1)	Nil	Nil	Nil
Blood	Negative	100(6)	100(6)	100(6)	83(5)	83(5)	67(4)	100(6)	83(5)
	Trace	Nil	Nil	Nil	17(1)	17(1)	Nil	Nil	Nil
	Small (+)	Nil	Nil	Nil	Nil	Nil	33(2)	Nil	Nil
	Moderate(++)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	17(1)
Protein	Negative	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Small (+)	Nil	Nil	Nil	17(1)	17(1)	17(1)	Nil	17(1)
	Moderate(++)	83(5)	83(5)	33(2)	67(4)	Nil	67(4)	67(4)	67(4)
	Large(+++)	17(1)	17(1)	67(4)	17(1)	83(5)	17(1)	33(2)	17(1)
Nitrites	Negative	83(5)	83(5)	100(6)	67(4)	67(4)	83(5)	100(6)	83(5)
	Trace	17(1)	17(1)	Nil	33(2)	33(2)	17(1)	Nil	17(1)
Leucocytes	Negative	67(4)	100(6)	83(5)	100(6)	67(4)	100(6)	83(5)	100(6)
	Large(+++)	33(2)	Nil	17(1)	Nil	33(2)	Nil	17(1)	Nil
Specific Gravity		1.03 ± 0.002 (6)	1.16 ± 0.151 (6)	1.03 ± 0 (6)	1.03 ± 0 (6)	1.05 ± 0.076 (6)	1.03 ± 0.003 (6)	1.03 ± 0.008 (6)	1.02 ± 0.009 (6)
pH		6.33 ± 0.606 (6)	6.67 ± 1.080 (6)	6.08 ± 0.585 (6)	6.33 ± 0.606 (6)	7.17 ± 1.506 (6)	6.75 ± 0.524 (6)	6.67 ± 1.329 (6)	7.17 ± 1.125 (6)
Urobilinogen		3.33 ± 3.615 (6)	0.73 ± 0.413 (6)	2.17 ± 2.858 (6)	0.73 ± 0.413 (6)	2.53 ± 2.984 (6)	0.87 ± 0.327 (6)	2.33 ± 2.805 (6)	0.60 ± 0.438 (6)

Values are in percentage for glucose, bilirubin, ketone, blood, protein, nitrites and leucocytes.
Values are expressed as Mean ± Standard Deviation for Specific gravity, pH and urobilinogen.
1 – Pre exposure; 2 – Post exposure ( ) No of animals

TABLE – X (B)

Sub – Chronic

URINE EXAMINATION (Qualitative) – FINAL TERM (Sex pooled)

Groups		VC		TD		AD (5XTD)		HD(10XTD)	
Parameter	Status	1	2	1	2	1	2	1	2
Glucose	Negative	100(6)	100(6)	83(5)	83(5)	67(4)	100(6)	83(5)	100(5)
	Trace	Nil	Nil	17(1)	17(1)	33(2)	Nil	17(1)	Nil
Bilirubin	Negative	Nil	Nil	Nil	17(1)	Nil	Nil	Nil	Nil
	Small (+)	33(2)	50(3)	17(1)	67(4)	33(2)	67(4)	50(3)	60(3)
	Moderate(++)	67(4)	50(3)	67(4)	17(1)	67(4)	33(2)	50(3)	40(2)
	Large(+++)	Nil	Nil	17(1)	Nil	Nil	Nil	Nil	Nil
Ketone	Negative	17(1)	Nil	Nil	Nil	17(1)	Nil	17(1)	Nil
	Trace	33(2)	17(1)	Nil	33(2)	17(1)	Nil	67(4)	20(1)
	Small (+)	50(3)	67(4)	100(6)	67(4)	67(4)	100(6)	17(1)	60(3)
	Moderate(++)	Nil	17(1)	Nil	Nil	Nil	Nil	Nil	20(1)
Blood	Negative	100(6)	50(3)	100(6)	67(4)	100(6)	50(3)	100(6)	20(1)
	Trace	Nil	Nil	Nil	Nil	Nil	33(2)	Nil	Nil
	Moderate(++)	Nil	50(3)	Nil	17(1)	Nil	17(1)	Nil	20(1)
	Large(+++)	Nil	Nil	Nil	17(1)	Nil	Nil	Nil	60(3)
Protein	Negative	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Small (+)	Nil	Nil	Nil	Nil	Nil	Nil	17(1)	Nil
	Moderate(++)	17(1)	67(4)	17(1)	50(3)	17(1)	33(2)	17(1)	20(1)
	Large(+++)	83(5)	33(2)	83(5)	50(3)	83(5)	67(4)	67(4)	80(4)
Nitrites	Negative	83(5)	50(3)	50(3)	33(2)	67(4)	67(4)	67(4)	40(2)
	Trace	17(1)	50(3)	50(3)	67(4)	33(2)	33(2)	33(2)	60(3)
Leucocytes	Negative	67(4)	100(6)	67(4)	83(5)	33(2)	83(5)	50(3)	80(4)
	Trace	Nil	Nil	Nil	17(1)	Nil	Nil	Nil	20(1)
	Large(+++)	33(2)	Nil	33(2)	Nil	67(4)	17(1)	50(3)	Nil
Specific Gravity		1.03 ± 0.008 (6)	1.03 ± 0 (6)	1.02 ± 0.010 (6)	1.03 ± 0.003 (6)	1.03 ± 0.008 (6)	1.03 ± 0.004 (6)	1.02 ± 0.007 (6)	1.03 ± 0 (5)
pH		6.42 ± 1.158 (6)	6.75 ± 0.274 (6)	7.25 ± 1.573 (6)	6.75 ± 0.274 (6)	7.00 ± 1.342 (6)	6.75 ± 0.418 (6)	6.83 ± 1.211 (6)	6.60 ± 0.418 (5)
Urobilinogen		3.20 ± 3.731 (6)	1.00 ± 0 (6)	3.33 ± 3.615 (6)	1.00 ± 0 (6)	5.83 ± 3.371 (6)	0.87 ± 0.327 (6)	4.67 ± 3.670 (6)	1.00 ± 0 (5)

Values are in percentage for glucose, bilirubin, ketone, blood, protein, nitrites and leucocytes.
Values are expressed as Mean ± Standard Deviation for Specific gravity, pH and urobilinogen.
1 – Pre exposure; 2 – Post exposure ( ) No of animals

TABLE – XI

Sub – Chronic

BIOCHEMICAL PARAMETERS (Sex pooled)

Groups	VC		TD		AD		HD	
Days (Post exposure)	Mid term	Final term	Mid term	Final term	Mid term	Final term	Mid term	Final term
Glucose (mg/dl)	51.50 ± 7.868 (6)	70.33 ± 14.194 (6)	56.33 ± 9.993 (6)	70.67 ± 11.183 (6)	56.00 ± 9.716 (6)	67.33 ± 7.285 (6)	52.17 ± 5.601 (6)	69.40 ± 12.522 (5)
ALB (g/dl)	3.92 ± 0.075 (6)	3.57 ± 0.250 (6)	4.00 ± 0.110 (6)	3.62 ± 0.160 (6)	3.95 ± 0.105 (6)	3.77 ± 0.266 (6)	3.92 ± 0.214 (6)	3.78 ± 0.268 (5)
TP (g/dl)	7.48 ± 0.214 (6)	6.47 ± 0.273 (6)	7.47 ± 0.372 (6)	6.50 ± 0.385 (6)	7.55 ± 0.226 (6)	6.58 ± 0.458 (6)	7.42 ± 0.271 (6)	6.64 ± 0.134 (5)
Calcium (mg/dl	10.13 ± 0.186 (6)	9.38 ± 0.349 (6)	10.15 ± 0.551 (6)	9.68 ± 0.483 (6)	10.18 ± 0.355 (6)	9.63 ± 0.294 (6)	10.02 ± 0.271 (6)	9.76 ± 0.195 (5)
Lipid profile								
Cholesterol (mg/dl)	70.00 ± 14.085 (6)	47.17 ± 10.610 (6)	66.67 ± 12.420 (6)	53.83 ± 7.935 (6)	62.17 ± 6.047 (6)	46.50 ± 7.688 (6)	63.17 ± 6.555 (6)	44.00 ± 10.724 (5)
TRI (mg/dl)	53.67 ± 14.706 (6)	46.67 ± 5.989 (6)	64.17 ± 12.875 (6)	60.83 ± 22.640 (6)	54.00 ± 13.638 (6)	53.00 ± 3.347 (6)	54.50 ± 11.623 (6)	55.80 ± 9.884 (5)

Values are expressed as Mean ± Standard Deviation ( ) No of animals

TABLE – XI

Sub – Chronic

BIOCHEMICAL PARAMETERS (Sex pooled) (Contd...)

Groups	VC		TD		AD		HD	
Days (Post exposure)	Mid term	Final term	Mid term	Final term	Mid term	Final term	Mid term	Final term
Renal function test								
Creatinine (mg/dl)	0.92 ± 0.160 (6)	0.72 ± 0.194 (6)	1.07 ± 0.082 (6)	0.63 ± 0.121 (6)	1.07 ± 0.137 (6)	0.60 ± 0.127 (6)	0.98 ± 0.160 (6)	0.70 ± 0.141 (5)
UREA (mg/dl)	32.83 ± 6.014 (6)	30.33 ± 3.777 (6)	31.33 ± 5.317 (6)	28.33 ± 3.559 (6)	36.00 ± 8.099 (6)	31.17 ± 4.215 (6)	30.67 ± 5.164 (6)	31.60 ± 3.286 (5)
Liver function test								
ALT (U/L)	58.00 ± 12.394 (6)	78.00 ± 21.964 (6)	66.00 ± 16.211 (6)	78.00 ± 19.627 (6)	72.50 ± 20.560 (6)	92.50 ± 52.080 (6)	58.50 ± 14.167 (6)	75.60 ± 13.975 (5)
AST (U/L)	121.00 ± 14.283 (6)	170.50 ± 30.969 (6)	130.50 ± 14.293 (6)	145.50 ± 30.579 (6)	138.00 ± 32.754 (6)	162.50 ± 63.254 (6)	112.50 ± 10.349 (6)	147.00 ± 37.709 (5)
ALP (U/L)	211.00 ± 38.074 (6)	273.50 ± 49.310 (6)	191.50 ± 28.233 (6)	244.50 ± 63.830 (6)	223.50 ± 49.432 (6)	240.50 ± 39.864 (6)	219.00 ± 53.666 (6)	252.00 ± 66.509 (5)
TBILI (mg/dl)	0.35 ± 0.837 (6)	0.433 ± 0.137 (6)	0.48 ± 0.256 (6)	0.42 ± 0.098 (6)	0.45 ± 0.105 (6)	0.40 ± 0.110 (6)	0.28 ± 0.075 (6)	0.42 ± 0.045 (5)

Values are expressed as Mean ± Standard Deviation ( ) No of animals

TABLE – XII

Sub – Chronic

HEMATOLOGY (Sex pooled)

Groups	VC		TD		AD		HD	
Days (Post exposure)	Mid term	Final term	Mid term	Final term	Mid term	Final term	Mid term	Final term
WBC (10E3/mm3)	11.07 ± 1.671 (6)	10.43 ± 2.989 (6)	8.60 ± 1.428 (6)	9.81 ± 2.920 (6)	10.77 ± 1.751 (6)	11.31 ± 2.534 (6)	9.76 ± 2.775 (6)	11.31 ± 2.534 (5)
RBC (10E3/mm3)	9.09 ± 0.601 (6)	8.34 ± 0.309 (6)	8.87 ± 0.449 (6)	8.77 ± 0.423 (6)	9.09 ± 0.506 (6)	8.43 ± 0.298 (6)	8.72 ± 0.459 (6)	8.56 ± 0.301 (5)
HGB (g/dl)	17.57 ± 0.859 (6)	15.85 ± 0.561 (6)	17.38 ± 0.679 (6)	16.75 ± 0.442 (6)	17.58 ± 1.036 (6)	16.50 ± 0.473 (6)	16.75 ± 0.855 (6)	16.50 ± 0.587 (5)
HCT (%)	51.12 ± 3.101 (6)	47.20 ± 0.912 (6)	51.47 ± 3.813 (6)	49.27 ± 2.383 (6)	51.73 ± 3.235 (6)	47.73 ± 1.343 (6)	48.47 ± 2.719 (6)	48.32 ± 1.182 (5)
MCV (µm3)	56.23 ± 1.389 (6)	56.67 ± 1.056 (6)	57.95 ± 1.615 (6)	56.17 ± 0.592 (6)	56.97 ± 1.598 (6)	56.65 ± 0.892 (6)	55.65 ± 0.327 (6)	56.48 ± 1.126 (5)
MCH (pg)	19.32 ± 0.496 (6)	19.03 ± 0.950 (6)	19.58 ± 0.306 (6)	19.12 ± 0.621 (6)	19.35 ± 0.497 (6)	19.62 ± 0.386 (6)	19.27 ± 0.463 (6)	19.28 ± 0.249 (5)

Values are expressed as Mean ± Standard Deviation ( ) No of animals

TABLE – XII

Sub – Chronic

HEMATOLOGY (Sex pooled) (Contd...)

Groups	VC		TD		AD		HD	
Days (Post exposure)	Mid term	Final term	Mid term	Final term	Mid term	Final term	Mid term	Final term
MCHC (g/dl)	34.42 ± 0.697 (6)	33.58 ± 1.395 (6)	33.82 ± 1.267 (6)	34.03 ± 1.224 (6)	33.98 ± 0.360 (6)	34.62 ± 0.652 (6)	34.60 ± 0.699 (6)	34.16 ± 0.472 (5)
PLT (10E3/mm3)	1093.67 ± 89.088 (6)	1202.83 ± 191.464 (6)	1006.83 ± 123.888 (6)	1082.50 ± 164.786 (6)	1047.33 ± 232.198 (6)	1105.17 ± 114.880 (6)	1164.17 ± 197.153 (6)	1086.40 ± 223.081 (5)
Neutrophils (%)	14.50 ± 2.881 (6)	20.17 ± 3.971 (6)	16.33 ± 3.933 (6)	19.50 ± 5.577 (6)	17.83 ± 5.231 (6)	18.67 ± 4.844 (6)	17.83 ± 6.274 (6)	21.60 ± 4.561 (5)
Lymphocytes (%)	81.67 ± 3.445 (6)	74.83 ± 4.535 (6)	79.00 ± 5.020 (6)	76.17 ± 5.269 (6)	78.33 ± 4.926 (6)	76.50 ± 4.506 (6)	77.67 ± 6.282 (6)	74.00 ± 4.637 (5)
Monocytes (%)	2.67 ± 0.516 (6)	3.50 ± 1.049 (6)	3.17 ± 0.753 (6)	3.33 ± 0.516 (6)	2.67 ± 0.516 (6)	3.50 ± 0.548 (6)	2.83 ± 0.753 (6)	3.20 ± 0.837 (5)
Eosinophils (%)	1.17 ± 0.408 (6)	1.50 ± 0.548 (6)	1.50 ± 0.837 (6)	1.00 ± 0 (6)	1.17 ± 0.408 (6)	1.33 ± 0.516 (6)	1.67 ± 0.816 (6)	1.20 ± 0.447 (5)

Values are expressed as Mean ± Standard Deviation ( ) No of animals

TABLE – XIII

Sub – Chronic

ORGAN WEIGHTS (g) – SEXPOOLED

Groups	VC		TD		AD(5XTD)		HD(10XTD)	
Days (Post exposure)	Mid term	Final term	Mid term	Final term	Mid term	Final term	Mid term	Final term
Parameters								
Brain	1.73 ± 0.151 (6)	1.72 ± 0.479 (6)	1.73 ± 0.137 (6)	1.92 ± 0.223 (6)	1.74 ± 0.207 (5)	1.83 ± 0.103 (6)	1.78 ± 0.184 (6)	1.90 ± 0.100 (5)
Heart	1.17 ± 0.186 (6)	1.77 ± 0.831 (6)	1.10 ± 0.410 (6)	1.37 ± 0.659 (6)	1.07 ± 0.281 (6)	1.15 ± 0.472 (6)	0.95 ± 0.288 (6)	1.28 ± 0.438 (5)
Lung	1.90 ± 0.699 (6)	2.03 ± 0.766 (6)	1.55 ± 0.399 (6)	1.90 ± 0.525 (6)	1.70 ± 0.657 (6)	2.10 ± 0.629 (6)	1.70 ± 0.460 (6)	2.38 ± 0.581 (5)
Liver	7.78 ± 1.641 (6)	7.78 ± 3.158 (6)	6.62 ± 1.838 (6)	6.40 ± 3.096 (6)	6.95 ± 2.475 (6)	8.18 ± 3.099 (6)	7.23 ± 1.839 (6)	7.88 ± 1.961 (5)
Spleen	0.73 ± 0.082 (6)	0.88 ± 0.279 (6)	0.63 ± 0.225 (6)	0.82 ± 0.319 (6)	0.65 ± 0.259 (6)	0.83 ± 0.281 (6)	0.68 ± 0.194 (6)	0.80 ± 0.224 (5)
Kidney (L & R)	1.98 ± 0.382 (6)	2.23 ± 0.742 (6)	1.82 ± 0.407 (6)	2.10 ± 0.494 (6)	1.77 ± 0.516 (6)	2.17 ± 0.665 (6)	1.75 ± 0.394 (6)	2.08 ± 0.356 (5)
Testis	6.17 ± 0.603 (3)	5.07 ± 1.537 (3)	3.83* ± 1.097 (3)	6.07 ± 0.513 (3)	5.40 ± 0.458 (3)	4.17 ± 0.907 (3)	3.83* ± 0.551 (3)	5.60 ± 0.265 (3)

Mid term: *Significantly different from Vehicle control (VC) P<0.05.

Values are expressed as Mean ± Standard Deviation ( ) No of animals

TABLE – XIV (A)

Sub – Chronic

NECROPSY FINDINGS – SEX POOLED (Mid term)

DOSAGE	VC		TD		AD (5XTD)		HD (10XTD)	
Sex	M	F	M	F	M	F	M	F
No. of Animals	3	3	3	3	3	3	3	3
No. dead during treatment	0	0	0	0	0	0	0	0
No. moribund and sacrificed	0	0	0	0	0	0	0	0
No. finally sacrificed	3	3	3	3	3	3	3	3
No. examined for gross pathology	3	3	3	3	3	3	3	3
No. showing gross pathology	0	0	0	0	0	0	0	0
Visceral organ pathology	3	3	3	3	3	3	3	3

TABLE – XIV (B)

Sub – Chronic

NECROPSY FINDINGS – SEX POOLED (Final term)

DOSAGE	VC		TD		AD (5XTD)		HD (10XTD)	
Sex &	M	F	M	F	M	F	M	F
No. of Animals	3	3	3	3	3	3	3	3
No. dead during treatment	0	0	0	0	0	0	0	1
No. moribund and sacrificed	0	0	0	0	0	0	0	0
No. finally sacrificed	3	3	3	3	3	3	3	2
No. examined for gross pathology	3	3	3	3	3	3	3	3
No. showing gross pathology	0	0	0	0	0	0	0	0
Visceral organ pathology	3	3	3	3	3	3	3	3

TABLE – XV (A)
Sub – Chronic
HISTOPATHOLOGICAL OBSERVATIONS – Mid term
(Sex Pooled data)

S. No	ORGANS	CODE	DIAGNOSIS	VC	HD (10XTD)
				(% of animals)	
1	Brain	1	Normal	100 (6)	100 (6)
2	Heart	1	Normal	100 (6)	100 (6)
3	Lungs	1	Normal	Nil	Nil
		2	Chronic interstitial pneumonitis grade I	16.7 (1)	Nil
		3	Chronic interstitial pneumonitis grade II	66.7 (4)	50.0 (3)
		4	Chronic interstitial pneumonitis grade III	16.7 (1)	Nil
		7	Chronic interstitial pneumonitis grade II + Abscess	Nil	16.7 (1)
		8	Chronic interstitial pneumonitis grade III + Peribronchial lymphoid hyperplasia	Nil	16.7 (1)
		9	Chronic interstitial pneumonitis grade I + Peribronchial lymphoid hyperplasia	Nil	16.7 (1)
4	Liver	1	Normal	Nil	Nil
		7	Expanded portal tracts with proliferating bile ductules.	16.7(1)	Nil
		9	Expanded portal tracts with proliferating bile ductules + Dilated central vein	33.3 (2)	50.0 (3)
		11	Occassional focus of necrosis or focal collection of inflammatory cells + Expanded portal tracts with proliferating bile ductules + Dilated central vein + Paracytic cyst.	33.3 (2)	Nil
		12	Occassional focus of necrosis or focal collection of inflammatory cells + Periportal inflammation + Expanded portal tract + Dilated central vein + Perivascular round cell collections (PVRCC).	16.7 (1)	16.7 (1)
		13	Occassional focus of necrosis or focal collection of inflammatory cells + Periportal inflammation + Dilated central vein + paracytic cyst.	Nil	16.7 (1)
		14	Periportal inflammation or inflammatory cell infiltrates + Focal vaculation + Expanded portal tracts with prolirerating bil + Dilated central vein.	Nil	16.7 (1)

Values are in percentage ( ) No of animals

TABLE – XV (A)

Sub – Chronic

HISTOPATHOLOGICAL OBSERVATIONS – Mid term

(Sex Pooled data) (Contd...)

S. No	ORGANS	CODE	DIAGNOSIS	VC	HD (10XTD)
				(% of animals)	
5	Spleen	1	Normal	100 (6)	100 (6)
6	Kidneys	1	Normal	66.7 (4)	83.3 (5)
		2	Focal calcifications	33.3 (2)	16.7 (1)
7	Testis	1	Normal	100 (3)	100 (3)
8	Uterus / Ovaries	1	Normal	100 (3)	100 (3)
9	Pancreas	1	Normal	100 (6)	100 (4)
10	Spinal cord	1	Normal	100 (6)	100 (5)
11	Thyroid	1	Normal	Nil	100 (1)
12	Trachea	1	Normal	20 (1)	16.7 (1)
		2	Tracheitis	80 (4)	83.3 (5)
13	Oesophagus	1	Normal	100 (6)	100 (5)
14	Thymus	1	Normal	100(6)	100(3)
15	Aorta		Normal	100(5)	100(4)
16	Adrenals	1	Normal	100(6)	100(5)
17	Stomach	1	Normal	100(6)	100(6)
18	Small intestine	1	Normal	100(6)	100(6)
19	Colon	1	Normal	100(6)	100(5)
20	Rectum	1	Normal	100(6)	100(5)
21	Skin	1	Normal	100 (3)	100 (4)
22	Sternum	1	Normal	100(6)	100(6)
23	Adipose tissue	1	Normal	100(6)	100(6)
24	Lymph nodes	2	Reactive hyperplasia / sinus histiocytosis	100 (1)	100 (3)

Values are in percentage ( ) No of animals

TABLE – XV (B)

Sub – Chronic

HISTOPATHOLOGICAL OBSERVATIONS – Final term

(Sex Pooled data)

S. No	ORGANS	CODE	DIAGNOSIS	VC	HD (10X)
				(% of animals)	
1	Brain	1	Normal	100 (6)	100 (5)
2	Heart	1	Normal	100 (6)	100 (5)
3	Lungs	1	Normal	Nil	Nil
		2	Chronic interstitial pneumonitis grade I	50(3)	20(1)
		3	Chronic interstitial pneumonitis grade II	33.3 (2)	60 (3)
		6	Congestion	Nil	20 (1)
		7	Chronic interstitial pneumonitis grade II + Abscess	16.7 (1)	Nil
4	Liver	1	Normal	Nil	Nil
		12	Occassional focus of necrosis / focal collection of inflammatory cells + Periportal inflammation / inflammatory cell infiltrates + + Expanded portal tracts with proliferating bil.+ Dilated central vein + Perivascular round cell collections (PVRCC).	50(3)	20 (1)
		14	Periportal inflammation / inflammatory cell infiltrates+ + Focal vacuolation + Expanded portal tracts with proliferating bil + Dilated central vein.	33.3 (2)	Nil
		15	Occassional focus of necrosis or focal collection of inflammatory cells + Expanded portal tracts with proliferating bile + Dilated central vein.	16.7 (1)	40.0 (2)
		16	Periportal inflammation or inflammatory cell infiltrates + Expanded portal tracts with proliferating bileductules + Dilated central vein.	Nil	40.0 (2)
5	Spleen	1	Normal	100 (6)	100 (5)
6	Kidneys	1	Normal	83.3 (5)	80 (4)
		2	Focal calcifications	16.7 (1)	20.0 (1)

Values are in percentage ( ) No of animals

TABLE – XV (B)

Sub – Chronic

HISTOPATHOLOGICAL OBSERVATIONS – Final term

(Sex Pooled data) (Contd...)

S. No	ORGANS	CODE	DIAGNOSIS	VC	HD (10XTD)
				(% of animals)	
7	Testis	1	Normal	100 (3)	100 (3)
8	Uterus / Ovaries	1	Normal	100 (3)	100 (2)
9	Pancreas	1	Normal	100 (6)	100 (5)
10	Spinal cord	1	Normal	100 (6)	100 (4)
11	Trachea	1	Normal	33.3 (2)	Nil
		2	Tracheitis	66.7 (4)	100 (5)
12	Oesophagus	1	Normal	100(6)	100(5)
13	Thymus	1	Normal	100 (5)	100 (4)
14	Aorta	1	Normal	100 (5)	100 (5)
15	Adrenals	1	Normal	100 (6)	100 (5)
16	Stomach	1	Normal	100 (6)	100 (5)
17	Small intestine	1	Normal	100(6)	100 (5)
18	Colon	1	Normal	100(6)	100(5)
19	Rectum	1	Normal	100 (6)	100(5)
20	Skin	1	Normal	100 (4)	100 (4)
21	Sternum	1	Normal	100(6)	100(5)
22	Adipose tissue	1	Normal	100 (6)	100(5)
23	Lymph nodes	1	Normal	Nil	100(1)

Values are in percentage

( ) No of animals

APPENDICES

APPENDIX – I

TEST COMPOUND DETAILS

1.	**Name of the test compound** (as Labeled)	:	Colostrum Milk Product (RECEPTOL)
2.	**Name of the supplier/sponsor**	:	BIOMIX NETWORK Ltd. C/o Kheda Satellite Dai Near khatraj Cross Road, Khatraj–387130 Gujarat, INDIA.
4.	**Description**	:	RECEPTOL is a proprietary pure natural immuno modulator with active ingredients of Nano informational peptides and proline–Rich poly peptides (PRPs) delivered from Bovine Lacteal source by Nano–biotechnology process.
5.	**Indication and usage**	:	An immuno–modulator and broad spectrum anti–viral & anti–bacterial Oral Liquid.
6.	**Intended Dose (Clinical)**	:	3 ml four times daily or as prescribed by the physicians.
7.	**Physical appearance**	:	Transparent, greenish yellow colour liquid.
8.	**Supplied as**	:	960ml of test sample (96ml in each bottle) supplied in 10 screw capped plastic bottles type containers packed in a thermacol box with solid CO_2 and labeled as 'RECEPTOL', mfg on 5th Nov. 2009. Exp. 1 year from date of Mfg.
9.	**Storage**	:	The test compound should be stored at 4°C – 8°C.
10.	**Expiry date**	:	Within 1 year from date of Mfg. (Consume within 30 days after opening)

APPENDIX – II

RECEIPT OF TEST COMPOUND

S.No	Date of receipt	Item	Quantity (ml)	Batch No.
1	18–12–09	Colostrum milk product (RECEPTOL®)	2208ml (96 ml in each X 23 bottles) **Mfg.** on 5th Nov. 2009 **Exp.** 4th Nov. 2010	OIL01019
2	21–04–10	Colostrum milk product (RECEPTOL®)	1250 ml in (125ml in each X 10 bottles) **Mfg.** on 5th Nov. 2009 **Exp.** 4th Nov. 2010	OIL01019
3	29–04–10	Colostrum milk product (RECEPTOL®)	1250 ml in (125ml in each X 10 bottles) **Mfg.** on 5th Nov. 2009 **Exp.** 4th Nov. 2010	OIL01019

PHOTOGRAPH OF TEST COMPOUND







APPENDIX – III

DOSAGE SCHEDULE

Clinical Intended Dose: 12mL / adult

S.No	Group details	No. of animals	Dose*	
			ml/kg Rat	ml/200g Rat
1	Vehicle Control (VC)	12 (6♂ + 6♀)	Distilled water	2ml
2	Therapeutic dose (TD)	12 (6♂ + 6♀)	1.08	0.216
3	Average dose (AD) 5 x TD	12 (6♂ + 6♀)	5.4	1.08
3	Highest dose (HD) 10 x TD	12 (6♂ + 6♀)	10.8	2.16

VC=Vehicle Control, TD=Therapeutic dose, AD=Average dose, HD = High dose

S. No	Study Details	Study Period (days)	Duration of exposure	Conditioning period
1	Acute study	14	Single	9 days
2	Sub – Chronic study	60	Repeated dose daily for 45 Days	15 days

*Conversion calculations as per: Paget & Barnes (1964) Evaluation of Drug Activities: Pharmocometrics eds. Laurence & Bocharach, Vol.1. Academic Press, New York.

APPENDIX – IV

STUDY DESIGN

ACUTE TOXICITY STUDY							
S.No	**Species**	**Age**	**Group Details**	**No. of animals /sex**	**Dose ml/kg animal**	**Duration of Exposure (days)**	**Study Period (days)**
1	Rats	4 – 6 weeks 150 –180 g	(50 X TD)	12 (6♂+6♀)	54	Single exposure	14 days + Conditioning Period

SUB CHRONIC TOXICITY STUDY (Rats)							
S.No	**Species**	**Age**	**Group Details**	**No. of animals /sex**	**Dose* ml/kg animal**	**Duration of Exposure (days)**	**Study Period (days)**
1	Rats	4–6 week 150–180g	Vehicle Control (VC)	12 (6♂+6♀)	Distilled water	Daily for 45 days	60 days (45 days exposure+ 15 days recovery) + Conditioning Period
2			Therapeutic Dose (TD)	12 (6♂+6♀)	1.08		
3			Average Dose (5X TD)	12 (6♂+6♀)	5.4		
4			High Dose (10X TD)	12 (6♂+6♀)	10.8		

*: Maximum Safe volume of administration by oral is 40 ml/Kg rat.

5 X TD, 10 XTD= 5 and 10 times the therapeutic dose.

♂=Male; ♀=Female

APPENDIX – V

LETTER FROM SPONSOR

Biomix Network Ltd.

Engineered by Intellect, Driven by Ethics

Near Khatraj Cross Road, Khatraj. Dist: Kheda, Gujarat, India. Pin – 387 130
Tel.: 02694 – 323990 e-mail: Biomix@amuldairy.com

Date: 21 / 07 / 2009

To,
Dr. B. Sesikeran (M.D.)
Director,
National Institute of Nutrition,
Hyderabad

Kind attn.: Dr. B. Dinesh Kumar

Respected Sir,

We are the manufacturer of colostrums milk product (liquid as well as powder) using cGMP practices. This product is intended to be used as immuno – modulator and is presently used as food supplement. At present we are keen to promote this product as a therapeutic agent to promote it as an immuno – modulator.

In view of this and as per the "Schedule – Y" of DCGI, the pre-clinical safety evaluation of this product is essential.

We are approaching you to under take the study at your centre.

Pl. find cheque (Union Bank of India, Ch. No. 100109, payable at Hyderabad) of Rs. 25,000/- (Rupees Twenty Five Thousand only) for detailed protocol to evaluate pre-clinical safety as per India FDA guidelines.

At this juncture we would like to mention that the study should be considered on a priority as the whole project is supported by DST & ICMR

Thanking you.

Yours faithfully,

For Biomix Network Ltd.
Jignesh V. Vaishnav
Manager – QA/QC

Head Office
Millennium Business Park, Unit # 303, # 6, Sector III, MIDC, Mahape, New Mumbai – 400 709, India
Telefax: (91-22) 222 588 3888 Mobile: (+91) 9323000880 email: biomix108@yahoo.com, Biomix@vsnl.com

APPENDIX – VI

IAEC APPROVAL

Grams : NUTRITION
E-mail : nin@ap.nic.in
Website : www.ninindia.org

Telephone: 91-40-27197201/ 202/ 207
After Office Hours: 27197200
Fax: 91-40-27003317

राष्ट्रीय प्रयोगशाला पशु विज्ञान केन्द्र
NATIONAL CENTRE FOR LABORATORY ANIMAL SCIENCES
(Regd. No. 154/1999/CPCSEA)
NATIONAL INSTITUTE OF NUTRITION
Indian Council of Medical Research
Jamai-Osmania PO, Hyderabad-500 604, A.P.

Dr.N.V.GIRIDHARAN
SCIENTIST 'F' & HoD
Member Secretary – IAEC

Ref.:NCLAS/IAEC/09/
12TH August, 2009.

Dr.B.Sesikeran/Dr.B.Dinesh Kumar
Principal Investigator

Dear Dr.Dinesh Kumar,

This is to inform you that the Institutional Animal Ethics Committee, which met on 7th August, 2009, has accorded permission to your project entitled "Preclinical toxicity and allergenicity in vestigation of colostrum milk product ". Your study number is P15/8-2009/BDK

You may indent for the required number of animals (BALB/C mice 4-6 wks - 48 females, SD Rats 4-6 weeks 30F + 30M.) cages and other accessories by filling the appropriate form available in the NCLAS office as and when you initiate the study.

Please note the following for the successful completion of the study:

1. ***Permission for the conduct of experiment is valid for one year from the date of receiving this letter. You may have to apply fresh, once the validity period is expired.***
2. ***Adhere to the procedures laid down in your application form.***
3. ***Convey to the member secretary in writing, any deviation in terms of additional animal requirements and duration of the study.***
4. ***During the experiment attach a proforma to the experimental rack giving dates on which various procedures are carried out.***
5. ***Fill in the form 'D' at the end of the experiment and return the same to the NCLAS office***
6. ***Quote your study number in the animal, feed and cage indents and also for any correspondence with the Member Secretary.***

Wishing you a smooth and successful completion of the study.

Yours sincerely,

(N.V.GIRIDHARAN)

APPENDIX – VII

ANALYTICALREPORT

Amul

KAIRA DISTRICT CO-OPERATIVE MILK PRODUCERS' UNION LTD.

Certificate of Analysis

Name of the Product	:	**Receptol Oral Spray (Stage: Ultra Filtration – 2 permeate)**			
Batch No.	:	01L0109			
Mfg. date	:	05/11/2009	Date of Test	:	06/11/2009
Exp. date	:	04/11/2010	Date of Report	:	06/11/2009

Sr.No.	Test		Specification	Observation
1.	Description		Transparent, greenish yellow colour liquid.	Transparent, greenish yellow colour liquid.
2.	Odour		Pleasant	Pleasant
3.	Taste		Pleasant	Pleasant
4.	pH @ 20°C		5.5 to 6.5	6.32
5.	Milkoscan Result	Lactose	1.0 to 3.0%	2.02%
6.		Fat	0.0%	0.0%
7.	Temperature		10 - 20°C	12.5°C
8.	Protein (by Kjeldal Method)		0.15 to 0.35%	0.25%

7/12/09
QA Incharge
Kheda Satellite Dairy
(Unit of Kaira District co-operative
Milk Producers' Union Ltd.)

KHEDA SATELLITE DAIRY - KHATRAJ
Nadiad Mehmedabad Road,
JIBHAIPURA
Ta. Mehmedavad. Dist. Kheda.

ANAND 388 001 INDIA • PHONE: 02692 - 256124 • FAX NO.: 02692 - 240225, 225422
E-mail: amuldairy@amuldairy.com

APPENDIX – VIII

TEST COMPOUND PREPARATION & ADMINISTRATION

1. Preparation and Administration of test doses – Acute Study:

1.1 Preparation and Administration of High dose (HD) 50XTD to Rats:

1.1.1 Prepare the dosage concentration of 50xTD High Dose i.e. (54ml / Kg rat).

1.1.2 Take the body weight of all animals, calculate the dose Volume as per the body weight, 10.8ml /200g rat.

1.1.3 Number of animals for this group is 12 (6M+6F)

1.1.4 Bring the respective animal near the work bench.

1.1.5 Draw 10.8ml (as per the body weight of animal) of the test solution from bottle (supplied by sponsor) with 15 ml syringe containing 18 guage oral gavage.

1.1.6 Remove the rat from the cage.

1.1.7 Hold the rat from the back of neck with our left hand keeping our fore and middle finger around the rat neck in a ' V' shape, rat feet should hold in our palm.

1.1.8 Slowly insert the gavage to rat stomach through mouth.

1.1.9 Administer the loaded test solution slowly into the stomach. After administration, remove the oral gavage.

1.1.10 keep the rat on the work bench for bringing it to normal condition.

1.1.11 Replace the rat into their respective cage.

1.1.12 Repeat the procedure for all the animals.

2. Preparation and Administration of test doses – SUB – CHRONIC Study:

2.1 Preparation and Administration of Vehicle Control (VC) to Rats:

2.1.1 Take the body weight of all animals, calculate the Volume of distilled water as per the body weight, 3ml /200g rat.

2.1.2 Number of animals for this group is 12 (6M+6F)

2.1.3 Bring the respective animal near the work bench.

2.1.4 Draw 3ml (as per the body weight of animal) of the distilled water from centrifuse tube with 15ml syringe

containing 18 guage oral gavage.

2.1.5 Remove the rat from the cage.

2.1.6 Hold the rat from the back of neck with our left hand keeping our fore and middle finger around the rat neck in a ' V' shape, rat feet should hold in our palm.

2.1.7 Slowly insert the gavage to rat stomach through mouth.

2.1.8 Administer the loaded distilled water slowly into the stomach. After administration, remove the oral gavage.

2.1.9 keep the rat on the work bench to bringing it to normal condition.

2.1.10 Replace the rat into their respective cage.

2.1.11 Repeat the procedure for all the animals.

2.2. Preparation and Administration of Therapeutic dose (TD) to Rats:

2.2.1 Prepare the dosage concentration of TD Dose i.e. (1.08ml / Kg rat).

2.2.2 Take the body weight of all animals, calculate the dose Volume as per the body weight, 0.22ml /200g rat.

2.2.3 Number of animals for this group is 12 (6M+6F)

2.2.4 Bring the respective animal near the work bench.

2.2.5 Draw 0.22ml (as per the body weight of anima!) of the test solution from bottle (supplied by sponsor) with 1 ml syringe containing 18 guage oral gavage.

2.2.6 Remove the rat from the cage.

2.2.7 Hold the rat from the back of neck with our left hand keeping our fore and middle finger around the rat neck in a ' V' shape, rat feet should hold in our palm.

2.2.8 Slowly insert the gavage to rat stomach through mouth.

2.2.9 Administer the loaded test solution slowly into the stomach. After administration, remove the oral gavage.

2.2.10 keep the rat on the work bench for bringing it to normal condition.

2.2.11 Replace the rat into their respective cage.

2.2.12 Repeat the procedure for all the animals in this group.

2.3 Preparation and Administration of Average dose (AD) TDX5 to Rats:

2.3.1 Prepare the dosage concentration of 5 X TD High Dose i.e. (5.4 ml / Kg rat).

2.3.2 Take the body weight of all animals, calculate the dose Volume as per the body weight, 1.8ml /200g rat.

2.3.3 Number of animals for this group is 12 (6M+6F)

2.3.4 Bring the respective animal near the work bench.

2.3.5 Draw 1.8 ml (as per the body weight of animal) of the test solution from bottle (supplied by sponsor) with 1 ml syringe containing 18 guage oral gavage.

2.3.6 Remove the rat from the cage.

2.3.7 Hold the rat from the back of neck with our left hand keeping our fore and middle finger around the rat neck in a ' V' shape, rat feet should hold in our palm.

2.3.8 Slowly insert the gavage to rat stomach through mouth.

2.3.9 Administer the loaded test solution slowly into the stomach. After administration, remove the oral gavage.

2.3.10 keep the rat on the work bench for bringing it to normal condition.

2.3.11 Replace the rat into their respective cage.

2.3.12 Repeat the procedure for all the animals in this group.

2.4 Preparation and Administration of High dose (HD) 10XTD to Rats:

2.4.1 Prepare the dosage concentration of 10xTD High Dose i.e.(10.8ml / Kg rat).

2.4.2 Take the body weight of all animals, calculate the dose Volume as per the body weight, 2.16ml /200g rat.

2.4.3 Number of animals for this group is 12 (6M+6F)

2.4.4 Bring the respective animal near the work bench.

2.4.5 Draw 2.16ml (as per the body weight of animal) of the test solution from bottle (supplied by sponsor) with 1 ml syringe containing 18 guage oral gavage.

2.4.6 Remove the rat from the cage.

2.4.7 Hold the rat from the back of neck with our left hand keeping our fore and middle finger around the rat neck in a ' V' shape, rat feet should hold in our palm.

2.4.8 Slowly insert the gavage to rat stomach through mouth.

2.4.9 Administer the solution slowly into the stomach. After administration, remove the oral gavage.

2.4.10 keep the rat on the work bench for bringing it to Normal condition.

2.4.11 Replace the rat into their respective cage.

2.4.12 Repeat the procedure for all the animals in this group

APPENDIX – IX

DIET COMPOSITION FOR RODENTS (RAT / MOUSE)

1	Wheat flour	22.5 %
2	Roasted Bengal gram flour	60 %
3	Skim Milk Powder	5 %
4	Casein	4 %
5	Refined groundnut Oil	4 %
6	Salt Mixture	4 %
7	Vitamin & Choline mixture	0.5 %

Scale of diet per mouse: Water and diet were provided *ad libitum*

SALT MIXTURE COMPOSITION FOR RAT / MOUSE

	Minerals	Per 100 Kg diet (g.)
1	Dicalcium Phosphate ($CaHPO_4$)	1250.00
2	Calcium carbonate ($CaCO_3$)	555.00
3	Sodium Chloride (NaCl)	300.00
4	Magnesium sulphate ($Mg\ SO_4\ 7H_20$)	229.20
5	Ferrous Sulphate ($Fe\ SO_4\ 7H_20$)	50.00
6	Manganese sulphate ($MnSO_4\ H_20$)	16.04
7	Potassium Iodide (KI)	1.00
8	Zinc sulphate ($ZnS0_4\ 7H_20$)	2.192
9	Copper sulphate ($CuSO_45H_20$)	1.908
10	Cobalt Chloride ($CoCl_26H_20$)	0.012

All minerals together : 2413.35 g
Starch : 1536.65 g

4000 – 00 g.

i.e., 4.0 kg for 100 kg of diet

APPENDIX – IX

VITAMIN MIXTURE COMPOSITION (Contd...)

S.No	Minerals	Per 100 Kg diet (g.)
1	(dl) – α Tocopherol Acetate 50% Dry Powder (E)	12.0 g
2	Menadione (K)	0.15 g
3	Thiamine (B_1)	1.2 g
4	Riboflavin (B_2)	0.5 g
5	Pyridoxine (B_6)	0.6 g
6	Niacin	1.0 g
7	Pantothenic Acid (Calcium Salt)	1.2 g
8	Cyanocobalamine (B_{12})	0.5 mg
9	Folic Acid	0.1 g
10	Para amino Benzoic Acid (PABA)	10.0 g
11	Biotin	40.0 mg
12	Inositol	10.0 g
13	Choline Chloride	100.0 g

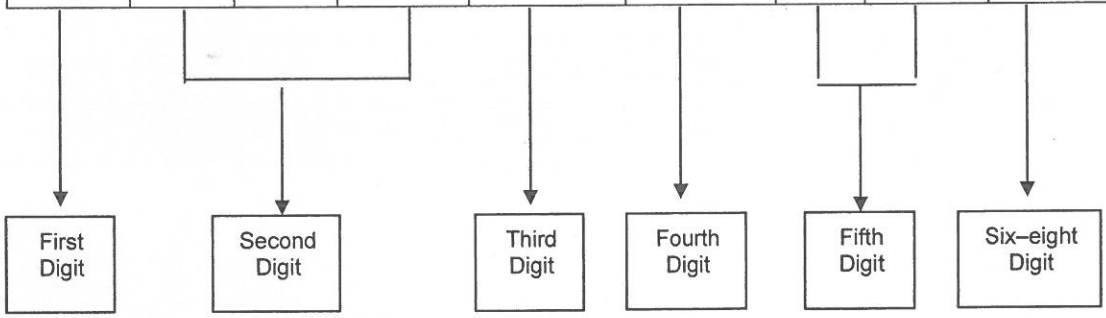
Total vitamins put together	:	130.8905 g
Starch add to make up	:	369.2005 g
		500.00 g

i.e. 500 g of vitamin mixture is used for every 100 kg of the diet prepared.

APPENDIX – X

CODE SEQUENCE PROCEDURE

STUDY NO	STUDY CATEGORY			SPECIES*	TEST GROUPS	SEX		SERIAL NO. (Animal No.)
	Acute	Sub acute	Chronic			Male	Female	
1 – 9	1	2	3	4 (1 – 9)	1–6	1	2	001 – 999



*

Species name	Code
Mice	1
Monkey	2
Newzeland mice	3
Guinea pigs	4
Rat	5
Rabbit	6

APPENDIX – XI

HISTOPATHOLOGY CODES

S.No.	Name of the Organ	Code
1	**Brain**	
	Normal	1
	Perivascular round cell collection	2
	Inflammatory foci	3
	Choroids plexus hyperplasia	4
2	**Spinal cord**	
	Normal	1
	Inflammatory foci	2
3	**Nerve (Sciatic)**	
	Normal	1
	Inflammatory foci	2
4	**Salivary glands**	
	Normal	1
5	**Thyroid**	
	Normal	1
6	**Parathyroids**	
	Normal	1
7	**Trachea**	
	Normal	1
	Tracheitis	2
8	**Lung**	
	Normal	1
	Chronic interstitial pneumonitis grade I	2
	Chronic interstitial pneumonitis grade II	3
	Chronic interstitial pneumonitis grade III	4
	Anthracotic pigment	5
	Congestion	6
	CIPn II + Abscess	7
	CIPn III + Peribronchial lymohoid hyperplasia	8
	CIPn I + Peribronchial lymohoid hyperplasia	9

APPENDIX – XI

HISTOPATHOLOGY CODES (Contd...)

S.No.	Name of the Organ	Code
9	**Heart**	
	Normal	1
	Focal myocarditis	2
10	**Aorta**	
	Normal	1
11	**Thymus**	
	Normal	1
	Hyperplasia	2
12	**Esophagus**	
	Normal	1
13	**Stomach**	
	Normal	1
14	**Small Intestine**	
	Normal	1
	Reactive lymphoid hyperplasia	2
15	**Large Intestine**	
	Normal	1
16	**Rectum**	
	Normal	1
17	**Liver**	
	Normal	1
	Occassional focus of necrosis / focal collection of inflammatory cells	2
	Periportal inflammation / inflammatory cell infiltrates	3
	Focal vacuolation	4
	Focal areas of necrosis + vacuolation	5
	Perivascular round cell collections (PVRCC)	6

APPENDIX – XI

HISTOPATHOLOGY CODES (Contd...)

S.No.	Name of the Organ	Code
	Expanded portal tracts with proliferating bile ductules	7
	Dilated central vein	8
	7 + 8	9
	Paracytic cyst	10
	2 + 9 + 10	11
	2 + 3 + 9 + 6	12
	2 + 3 + 8 + 10	13
	3 + 4 + 9	14
	2 + 9	15
	3 + 9	16
18	**Gall bladder**	
	Normal	1
19	**Spleen**	
	Normal	1
	Mild hyperplasia	2
20	**Pancreas**	
	Normal	1
21	**Kidney**	
	Normal	1
	Occasional focal tubular necrosis / lymphocyte collection	2
	Focal tubulitis	3
	Calcification in medulla	4
22	**Adrenals**	
	Normal	1
23	**Urinary Bladder**	
	Normal	1
24	**Testis**	
	Normal	1
	Juvenile – No spermatogenesis	2

APPENDIX – XI

HISTOPATHOLOGY CODES (Contd...)

S.No.	Name of the Organ	Code
25	**Uterus**	
	Normal	1
26	**Ovaries**	
27	Normal	1
	Bone	
	Normal	1
28		
	Sternum	
	Normal	1
29		
	Bone Marrow	
	Normal	1
	Hypoplasia	2
30	**Lymph nodes (Mesentric)**	
	Normal	1
	Reactive hyperplasia / sinus histiocytosis	2
31	**Injection site / Skin**	
	Normal	1
	Focal inflammation	2
	Lymph nodes in intermuscular plane	3
32	**Adipose tissue**	
	Normal	1
33	**Not available**	99
34	**Not retrievable / Not palpable / Autolytic changes**	98

APPENDIX – XII

LABORATORY ANIMALS BIOCHEMICAL & HAEMATOLOGICAL PARAMETERS

STANDARD NORMAL RANGE VALUES

CLINICAL BIOCHEMISTRY REFERENCE VALUES

S.No	PARAMETER	SPECIES					
		MOUSE		RAT		MONKEY	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
1	GLUCOSE (mg/dl)	80-160	80-150	70-125	70-120	42-80	67-91
		63-176*		50-135*		60-90*	
2	BUN (mg/dl)	15- 45	15-40	10-16	10-19	14-32.5	16.4-27.5
		14-28*		5-29*		18-28*	
3	CREATININE (mg/dl)	0.3-0.8	0.2-0.6	0.5-0.8	0.5-0.8	0.9-1.75	0.8-1.1
4	TOTAL PROTEIN (g/dl)	5.0-7.4	4.8-7.0	5.6-7.1	5.5-7.3	5.85-7.60	6.6-7.8
		4.0-8.6*		4.7-8.2*		7.5-8.7*	
5	ALBUMIN (g/dl)	3.5-5.0	3.4-5.0	3.9-4.9	4.0-5.2	2.5-4.45	3.65-4.8
		2.5-4.8*		2.7-5.1*		2.4-3.4*	
6	AST (SGOT) (IU/L)	70-400	70-400	60-300	80-250	39.5-67.5	32.5-51.5
		23-48*		46-81*		34-56*	
7	ALT (SGPT) (IU/L)	25-200	25-100	25-55	25-50	17-102.5	14.5-48
		2-24*		18-30*		21-39*	
8	ALP (IU/L)	30-80	40-100	85-245	60-110	-	-
		10 28*		57-128*		15-35*	
9	CALCIUM (mg/dl)	8.5-11.5	8.5-11.5	8.5-10.5	8.5-10.2	9.2-10.2	8.8-10.3
		-		-		-	

Reference:

Mouse & Rat ⟶ Clinical Pathology of Laboratory Animals

Monkey ⟶ Normative haematologic and serum biochemical values for adult and infant monkeys (Macaca mulatta) in controlled lab environment (Journal of Toxicology and Environment Health 42:53-72, 1994).

* NIN Laboratory Manual.

APPENDIX – XII

LABORATORY ANIMALS BIOCHEMICAL & HAEMATOLOGICAL PARAMETERS

STANDARD NORMAL RANGE VALUES (Contd...)

HAEMATOLOGY NORMAL RANGES IN ANIMALS

Species Name	Mouse	Rat Wistar	Rat SD	Guinea pig	NZW Rabbit	Goat	Sheep
WBC (10E3/mm3)	3–13	3–9	3–9	3–12	3–8	8–20	4–14
RBC (10E6/mm3)	7–10	5–9	5–9	5–6	4–7	13–20	9–16
HGB (g/dl)	12–15	11–16	11–16	12–15	10–15	8–12	9–15
HCT (%)	37–47	33–45	33–45	35–53	27–46	23–38	26–44
MCV (µm3)	42–59	43–63	43–63	70–97	59–75	14–24	22–35
MCH (pg)	14–18	16–20	16–20	25–28	20–25	6–10	8–12
MCHC (g/dl)	31–35	31–36	31–36	29–34	31–35	32–38	33–37
PLT (10E3/mm3)	766–1657	493–1124	493–1124	154–639	137–558	197–876	247–765
Neutro (%)	7–31	4–27	4–27	14–56	17–40	25–52	10–49
Lympho (%)	60–95	69–95	69–95	41–78	57–81	39–66	37–72
Mono (%)	0–4	0–4	0–4	0–5	0–6	1–8	0–7
Eosino (%)	0–6	0–5	0–5	0–9	0–7	0–10	0–8
Baso (%)	0–0	0–1	0–1	0–1	2–10	0–2	0–2

SPSS OUT PUT
SUB – CHRONIC ORAL TOXICITY STUDY
IN
SD RATS

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

General Behaviour

				Test group							
				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
OBSERVATION DAY	Randomized day	General behaviour	Active	12	100	12	100	12	100	12	100
	Base line	General behaviour	Active	12	100	12	100	12	100	12	100
	1st day drug exposure	General behaviour	Active	12	100	12	100	12	100	12	100
	4th day of drug exposure	General behaviour	Active	12	100	12	100	12	100	12	100
	7th day of drug exposure	General behaviour	Active	12	100	12	100	12	100	12	100
	11th day of drug	General behaviour	Active	12	100	12	100	12	100	12	100
	15thday of drug exposure	General behaviour	Active	12	100	12	100	12	100	12	100
	18th day of drug	General behaviour	Active	12	100	12	100	12	100	11	100
	20th day of drug	General behaviour	Active	12	100	12	100	12	100	11	100
	22nd day of drug	General behaviour	Active	12	100	12	100	12	100	11	100
	25th day of drug	General behaviour	Active	12	100	12	100	12	100	11	100
	31st day of drug	General behaviour	Active	12	100	12	100	12	100	11	100
	33rd day of drug	General behaviour	Active	12	100	12	100	12	100	11	100
	35th day of drug	General behaviour	Active	12	100	12	100	12	100	11	100
	37th day of drug	General behaviour	Active	12	100	12	100	12	100	11	100
	40th day of drug	General behaviour	Active	12	100	12	100	12	100	11	100
	42nd day of drug	General behaviour	Active	12	100	12	100	12	100	11	100
	44th day of drug	General behaviour	Active	12	100	12	100	12	100	11	100
	47th day of drug	General behaviour	Active	12	100	12	100	12	100	11	100
	49th day after drug	General behaviour	Active	12	100	12	100	12	100	11	100
	51st day after drug	General behaviour	Active	6	100	6	100	6	100	5	100
	60th day after drug	General behaviour	Active	6	100	6	100	6	100	5	100

Water Intake

				Test group							
				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
OBSERVATION DAY	Randomized day	Water intake	Normal	12	100	12	100	12	100	12	100
	Base line	Water intake	Normal	12	100	12	100	12	100	12	100
	1st day drug exposure	Water intake	Normal	12	100	12	100	12	100	12	100
	4th day of drug exposure	Water intake	Normal	12	100	12	100	12	100	12	100
	7th day of drug exposure	Water intake	Normal	12	100	12	100	12	100	12	100
	11th day of drug	Water intake	Normal	12	100	12	100	12	100	12	100
	15thday of drug exposure	Water intake	Normal	12	100	12	100	12	100	12	100
	18th day of drug	Water intake	Normal	12	100	12	100	12	100	11	100
	20th day of drug	Water intake	Normal	12	100	12	100	12	100	11	100
	22nd day of drug	Water intake	Normal	12	100	12	100	12	100	11	100
	25th day of drug	Water intake	Normal	12	100	12	100	12	100	11	100
	31st day of drug	Water intake	Normal	12	100	12	100	12	100	11	100
	33rd day of drug	Water intake	Normal	12	100	12	100	12	100	11	100
	35th day of drug	Water intake	Normal	12	100	12	100	12	100	11	100
	37th day of drug	Water intake	Normal	12	100	12	100	12	100	11	100
	40th day of drug	Water intake	Normal	12	100	12	100	12	100	11	100
	42nd day of drug	Water intake	Normal	12	100	12	100	12	100	11	100
	44th day of drug	Water intake	Normal	12	100	12	100	12	100	11	100
	47th day of drug	Water intake	Normal	12	100	12	100	12	100	11	100
	49th day after drug	Water intake	Normal	12	100	12	100	12	100	11	100
	51st day after drug	Water intake	Normal	6	100	6	100	6	100	5	100
	60th day after drug	Water intake	Normal	6	100	6	100	6	100	5	100

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = Randomized day

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	11.8225	2.01306	.58112	10.5435	13.1015	10.32	17.38
	TD	12	12.4500	2.59009	.74770	10.8043	14.0957	10.02	18.72
	AD	12	10.9108	3.30422	.95385	8.8114	13.0102	5.88	16.92
	HD	12	11.9992	2.87328	.82945	10.1736	13.8248	8.08	19.07
	Total	48	11.7956	2.70665	.39067	11.0097	12.5816	5.88	19.07
Body weight	VC	12	182.333	25.7163	7.4237	165.994	198.673	147.4	234.2
	TD	12	182.258	21.2904	6.1460	168.731	195.786	152.9	221.6
	AD	12	183.992	20.6776	5.9691	170.854	197.130	153.6	222.4
	HD	12	184.050	21.7577	6.2809	170.226	197.874	153.7	227.4
	Total	48	183.158	21.7368	3.1374	176.847	189.470	147.4	234.2

a. OBSERVATION DAY = Randomized day

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	1.203	3	44	.320
Body weight	.217	3	44	.884

a. OBSERVATION DAY = Randomized day

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	15.039	3	5.013	.670	.575
	Within Groups	329.281	44	7.484		
	Total	344.320	47			
Body weight	Between Groups	35.762	3	11.921	.024	.995
	Within Groups	22171.255	44	503.892		
	Total	22207.017	47			

a. OBSERVATION DAY = Randomized day

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	.62750	1.11682	.898	-2.0895	3.3445
	AD	VC	-.91167	1.11682	.753	-3.6287	1.8053
	HD	VC	.17667	1.11682	.997	-2.5403	2.8937
Body weight	TD	VC	-.0750	9.1642	1.000	-22.370	22.220
	AD	VC	1.6583	9.1642	.996	-20.636	23.953
	HD	VC	1.7167	9.1642	.995	-20.578	24.011

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = Randomized day

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = Randomized day, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	12.8117	2.49080	1.01687	10.1977	15.4256	10.62	17.38
	TD	6	13.3767	3.28684	1.34185	9.9273	16.8260	10.53	18.72
	AD	6	13.1550	2.02432	.82643	11.0306	15.2794	11.61	16.92
	HD	6	12.3817	1.70253	.69506	10.5950	14.1684	10.84	15.03
	Total	24	12.9313	2.31637	.47283	11.9531	13.9094	10.53	18.72
Body weight	VC	6	192.500	26.0503	10.6350	165.162	219.838	156.9	234.2
	TD	6	192.600	18.3365	7.4859	173.357	211.843	167.8	221.6
	AD	6	194.783	16.6049	6.7789	177.358	212.209	175.4	222.4
	HD	6	197.850	17.7804	7.2588	179.191	216.509	176.8	227.4
	Total	24	194.433	18.8206	3.8417	186.486	202.381	156.9	234.2

a. OBSERVATION DAY = Randomized day, Sex = Male

OBSERVATION DAY = Randomized day, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	10.8333	.60242	.24594	10.2011	11.4655	10.32	11.80
	TD	6	11.5233	1.37645	.56194	10.0788	12.9678	10.02	13.27
	AD	6	8.6667	2.79900	1.14269	5.7293	11.6040	5.88	13.44
	HD	6	11.6167	3.86172	1.57654	7.5640	15.6693	8.08	19.07
	Total	24	10.6600	2.62933	.53671	9.5497	11.7703	5.88	19.07
Body weight	VC	6	172.167	22.9835	9.3830	148.047	196.286	147.4	214.6
	TD	6	171.917	20.1074	8.2088	150.815	193.018	152.9	209.3
	AD	6	173.200	19.6320	8.0147	152.597	193.803	153.6	204.9
	HD	6	170.250	16.3790	6.6867	153.061	187.439	153.7	195.9
	Total	24	171.883	18.6012	3.7969	164.029	179.738	147.4	214.6

a. OBSERVATION DAY = Randomized day, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = Base line

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	11.7758	1.91297	.55223	10.5604	12.9913	10.22	17.41
	TD	12	12.5083	2.58486	.74619	10.8660	14.1507	10.07	18.79
	AD	12	11.0800	3.23106	.93273	9.0271	13.1329	5.94	16.98
	HD	12	12.0842	2.87369	.82956	10.2583	13.9100	8.11	19.11
	Total	48	11.8621	2.65962	.38388	11.0898	12.6344	5.94	19.11
Body weight	VC	12	193.925	37.0142	10.6851	170.407	217.443	141.3	277.3
	TD	12	195.875	38.1596	11.0157	171.630	220.120	145.6	257.2
	AD	12	192.833	34.5804	9.9825	170.862	214.805	148.3	263.4
	HD	12	195.817	34.3642	9.9201	173.983	217.651	152.1	253.8
	Total	48	194.613	34.9200	5.0403	184.473	204.752	141.3	277.3

a. OBSERVATION DAY = Base line

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	1.419	3	44	.250
Body weight	.157	3	44	.925

a. OBSERVATION DAY = Base line

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	13.033	3	4.344	.598	.619
	Within Groups	319.427	44	7.260		
	Total	332.459	47			
Body weight	Between Groups	80.184	3	26.728	.021	.996
	Within Groups	57231.928	44	1300.726		
	Total	57312.113	47			

a. OBSERVATION DAY = Base line

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	.73250	1.09998	.845	-1.9435	3.4085
	AD	VC	-.69583	1.09998	.863	-3.3719	1.9802
	HD	VC	.30833	1.09998	.985	-2.3677	2.9844
Body weight	TD	VC	1.9500	14.7237	.998	-33.870	37.770
	AD	VC	-1.0917	14.7237	1.000	-36.912	34.728
	HD	VC	1.8917	14.7237	.998	-33.928	37.712

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = Base line

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = Base line, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	12.4350	2.51136	1.02526	9.7995	15.0705	10.69	17.41
	TD	6	13.4250	3.28792	1.34229	9.9745	16.8755	10.58	18.79
	AD	6	13.2583	2.00760	.81960	11.1515	15.3652	11.83	16.98
	HD	6	12.4917	1.70981	.69803	10.6973	14.2860	10.97	15.12
	Total	24	12.9025	2.33199	.47602	11.9178	13.8872	10.58	18.79
Body weight	VC	6	215.800	34.8417	14.2241	179.236	252.364	179.3	277.3
	TD	6	218.400	22.6046	9.2283	194.678	242.122	193.2	257.2
	AD	6	217.850	23.6678	9.6624	193.012	242.688	197.5	263.4
	HD	6	221.983	26.5638	10.8446	194.106	249.860	183.4	253.8
	Total	24	218.508	25.5995	5.2255	207.699	229.318	179.3	277.3

a. OBSERVATION DAY = Base line, Sex = Male

OBSERVATION DAY = Base line, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.1167	.83732	.34183	10.2380	11.9954	10.22	12.21
	TD	6	11.5917	1.36829	.55860	10.1557	13.0276	10.07	13.32
	AD	6	8.9017	2.74747	1.12165	6.0184	11.7850	5.94	13.48
	HD	6	11.6767	3.85303	1.57299	7.6332	15.7202	8.11	19.11
	Total	24	10.8217	2.59952	.53063	9.7240	11.9193	5.94	19.11
Body weight	VC	6	172.050	25.5289	10.4221	145.259	198.841	141.3	206.2
	TD	6	173.350	38.4040	15.6784	133.047	213.653	145.6	250.3
	AD	6	167.817	23.8453	9.7348	142.793	192.841	148.3	211.2
	HD	6	169.650	15.7821	6.4430	153.088	186.212	152.1	194.6
	Total	24	170.717	25.3933	5.1834	159.994	181.439	141.3	250.3

a. OBSERVATION DAY = Base line, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 1st day drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	11.1150	.49801	.14376	10.7986	11.4314	10.33	11.91
	TD	12	12.5725	2.57247	.74261	10.9380	14.2070	10.18	18.81
	AD	12	11.3675	3.13460	.90488	9.3759	13.3591	6.04	17.18
	HD	12	12.2525	2.77380	.80073	10.4901	14.0149	9.01	19.19
	Total	48	11.8269	2.46550	.35586	11.1110	12.5428	6.04	19.19
Body weight	VC	12	199.383	36.8995	10.6520	175.938	222.828	149.4	284.4
	TD	12	201.108	30.5487	8.8186	181.699	220.518	166.2	259.4
	AD	12	198.550	37.6721	10.8750	174.614	222.486	154.2	282.2
	HD	12	202.275	36.0174	10.3973	179.391	225.159	157.2	264.2
	Total	48	200.329	34.2783	4.9476	190.376	210.283	149.4	284.4

a. OBSERVATION DAY = 1st day drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	3.835	3	44	.016
Body weight	.151	3	44	.929

a. OBSERVATION DAY = 1st day drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	17.459	3	5.820	.955	.423
	Within Groups	268.239	44	6.096		
	Total	285.697	47			
Body weight	Between Groups	101.441	3	33.814	.027	.994
	Within Groups	55123.618	44	1252.810		
	Total	55225.059	47			

a. OBSERVATION DAY = 1st day drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	1.45750	1.00800	.346	-.9948	3.9098
	AD	VC	.25250	1.00800	.989	-2.1998	2.7048
	HD	VC	1.13750	1.00800	.540	-1.3148	3.5898
Body weight	TD	VC	1.7250	14.4500	.999	-33.429	36.879
	AD	VC	-.8333	14.4500	1.000	-35.987	34.321
	HD	VC	2.8917	14.4500	.994	-32.262	38.046

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 1st day drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 1st day drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.1517	.43692	.17837	10.6932	11.6102	10.63	11.87
	TD	6	13.4633	3.28049	1.33926	10.0207	16.9060	10.61	18.81
	AD	6	13.4167	2.01952	.82447	11.2973	15.5360	12.21	17.18
	HD	6	12.5933	1.70136	.69458	10.8079	14.3788	11.14	15.24
	Total	24	12.6563	2.19299	.44764	11.7302	13.5823	10.61	18.81
Body weight	VC	6	221.750	35.5195	14.5008	184.475	259.025	182.3	284.4
	TD	6	222.800	21.2073	8.6578	200.544	245.056	198.5	259.4
	AD	6	222.483	34.9258	14.2584	185.831	259.136	175.4	282.2
	HD	6	229.983	25.9982	10.6137	202.700	257.267	194.8	264.2
	Total	24	224.254	28.2085	5.7580	212.343	236.166	175.4	284.4

a. OBSERVATION DAY = 1st day drug exposure, Sex = Male

OBSERVATION DAY = 1st day drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.0783	.59287	.24204	10.4562	11.7005	10.33	11.91
	TD	6	11.6817	1.37569	.56163	10.2380	13.1254	10.18	13.40
	AD	6	9.3183	2.73136	1.11507	6.4519	12.1847	6.04	13.52
	HD	6	11.9117	3.70854	1.51401	8.0198	15.8035	9.01	19.19
	Total	24	10.9975	2.48533	.50732	9.9480	12.0470	6.04	19.19
Body weight	VC	6	177.017	23.0909	9.4268	152.784	201.249	149.4	218.7
	TD	6	179.417	21.7732	8.8889	156.567	202.266	166.2	223.4
	AD	6	174.617	22.9711	9.3779	150.510	198.723	154.2	216.3
	HD	6	174.567	18.3152	7.4772	155.346	193.787	157.2	206.2
	Total	24	176.404	20.2678	4.1371	167.846	184.963	149.4	223.4

a. OBSERVATION DAY = 1st day drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 4th day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	11.2325	1.60411	.46307	10.2133	12.2517	7.09	13.74
	TD	12	13.5683	3.27857	.94644	11.4852	15.6514	7.09	19.24
	AD	12	12.1717	3.33245	.96200	10.0543	14.2890	6.04	16.91
	HD	12	10.4575	1.92522	.55576	9.2343	11.6807	6.74	12.78
	Total	48	11.8575	2.82085	.40715	11.0384	12.6766	6.04	19.24
Body weight	VC	12	211.317	38.0860	10.9945	187.118	235.515	152.1	287.1
	TD	12	213.892	36.3419	10.4910	190.801	236.982	166.5	277.9
	AD	12	210.475	40.7045	11.7504	184.613	236.337	154.0	264.2
	HD	12	208.958	38.1984	11.0269	184.688	233.228	156.3	264.2
	Total	48	211.160	37.1636	5.3641	200.369	221.952	152.1	287.1

a. OBSERVATION DAY = 4th day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	2.123	3	44	.111
Body weight	.282	3	44	.838

a. OBSERVATION DAY = 4th day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	64.515	3	21.505	3.058	.038
	Within Groups	309.473	44	7.033		
	Total	373.988	47			
Body weight	Between Groups	153.637	3	51.212	.035	.991
	Within Groups	64759.718	44	1471.812		
	Total	64913.355	47			

a. OBSERVATION DAY = 4th day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	2.33583	1.08270	.092	-.2982	4.9698
	AD	VC	.93917	1.08270	.719	-1.6948	3.5732
	HD	VC	-.77500	1.08270	.816	-3.4090	1.8590
Body weight	TD	VC	2.5750	15.6621	.997	-35.528	40.678
	AD	VC	-.8417	15.6621	1.000	-38.945	37.261
	HD	VC	-2.3583	15.6621	.998	-40.461	35.745

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 4th day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 4th day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.0950	2.28444	.93262	8.6976	13.4924	7.09	13.74
	TD	6	14.5467	4.46785	1.82399	9.8579	19.2354	7.09	19.24
	AD	6	14.4917	1.60969	.65715	12.8024	16.1809	12.34	16.91
	HD	6	11.5583	.90522	.36955	10.6084	12.5083	10.58	12.78
	Total	24	12.9229	2.98372	.60905	11.6630	14.1828	7.09	19.24
Body weight	VC	6	236.400	28.6912	11.7131	206.290	266.510	206.3	287.1
	TD	6	241.083	22.2263	9.0739	217.758	264.408	216.4	277.9
	AD	6	243.883	14.1282	5.7678	229.057	258.710	224.5	264.2
	HD	6	241.450	17.2626	7.0474	223.334	259.566	218.6	264.2
	Total	24	240.704	20.0543	4.0936	232.236	249.172	206.3	287.1

a. OBSERVATION DAY = 4th day of drug exposure, Sex = Male

OBSERVATION DAY = 4th day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.3700	.63002	.25720	10.7088	12.0312	10.47	11.95
	TD	6	12.5900	1.17859	.48116	11.3531	13.8269	10.57	13.52
	AD	6	9.8517	2.98708	1.21947	6.7169	12.9864	6.04	13.52
	HD	6	9.3567	2.10390	.85891	7.1488	11.5646	6.74	12.21
	Total	24	10.7921	2.23357	.45593	9.8489	11.7352	6.04	13.52
Body weight	VC	6	186.233	29.2915	11.9582	155.494	216.973	152.1	234.2
	TD	6	186.700	25.2403	10.3043	160.212	213.188	166.5	237.0
	AD	6	177.067	27.6911	11.3049	148.007	206.127	154.0	226.4
	HD	6	176.467	19.4514	7.9410	156.054	196.880	156.3	210.8
	Total	24	181.617	24.4659	4.9941	171.286	191.948	152.1	237.0

a. OBSERVATION DAY = 4th day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 7th day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	11.5967	2.71608	.78407	9.8709	13.3224	5.08	15.75
	TD	12	12.9033	5.25884	1.51810	9.5620	16.2446	1.02	19.35
	AD	12	12.2425	3.96146	1.14358	9.7255	14.7595	5.06	16.31
	HD	12	11.0042	1.91978	.55419	9.7844	12.2239	7.09	13.24
	Total	48	11.9367	3.63986	.52537	10.8798	12.9936	1.02	19.35
Body weight	VC	12	212.067	34.5353	9.9695	190.124	234.009	148.8	253.2
	TD	12	214.200	35.5273	10.2558	191.627	236.773	165.3	271.2
	AD	12	210.025	39.4720	11.3946	184.946	235.104	149.9	255.4
	HD	12	211.575	43.4301	12.5372	183.981	239.169	154.2	278.9
	Total	48	211.967	37.1876	5.3676	201.169	222.765	148.8	278.9

a. OBSERVATION DAY = 7th day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	2.849	3	44	.048
Body weight	.933	3	44	.433

a. OBSERVATION DAY = 7th day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	24.158	3	8.053	.592	.624
	Within Groups	598.524	44	13.603		
	Total	622.682	47			
Body weight	Between Groups	107.055	3	35.685	.024	.995
	Within Groups	64889.912	44	1474.771		
	Total	64996.967	47			

a. OBSERVATION DAY = 7th day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	1.30667	1.50570	.719	-2.3564	4.9697
	AD	VC	.64583	1.50570	.950	-3.0172	4.3089
	HD	VC	-.59250	1.50570	.961	-4.2556	3.0706
Body weight	TD	VC	2.1333	15.6779	.998	-36.008	40.274
	AD	VC	-2.0417	15.6779	.998	-40.183	36.099
	HD	VC	-.4917	15.6779	1.000	-38.633	37.649

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 7th day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 7th day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	12.2200	3.87373	1.58144	8.1548	16.2852	5.08	15.75
	TD	6	16.2200	3.75354	1.53238	12.2809	20.1591	10.63	19.35
	AD	6	14.7667	3.02743	1.23594	11.5896	17.9438	8.62	16.31
	HD	6	12.4183	.81615	.33319	11.5618	13.2748	11.01	13.24
	Total	24	13.9063	3.37212	.68833	12.4823	15.3302	5.08	19.35
Body weight	VC	6	237.250	17.7255	7.2364	218.648	255.852	211.8	253.2
	TD	6	242.417	17.4162	7.1102	224.139	260.694	224.5	271.2
	AD	6	242.117	12.2666	5.0078	229.244	254.990	220.5	255.4
	HD	6	249.833	17.6895	7.2217	231.269	268.397	227.5	278.9
	Total	24	242.904	16.0022	3.2664	236.147	249.661	211.8	278.9

a. OBSERVATION DAY = 7th day of drug exposure, Sex = Male

OBSERVATION DAY = 7th day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	10.9733	.53977	.22036	10.4069	11.5398	10.47	11.98
	TD	6	9.5867	4.51134	1.84175	4.8523	14.3210	1.02	13.44
	AD	6	9.7183	3.17306	1.29540	6.3884	13.0483	5.06	12.81
	HD	6	9.5900	1.62557	.66364	7.8841	11.2959	7.09	11.98
	Total	24	9.9671	2.75791	.56296	8.8025	11.1316	1.02	13.44
Body weight	VC	6	186.883	28.0649	11.4574	157.431	216.336	148.8	229.7
	TD	6	185.983	23.7203	9.6838	161.090	210.876	165.3	232.6
	AD	6	177.933	28.3816	11.5867	148.149	207.718	149.9	229.2
	HD	6	173.317	17.9937	7.3459	154.433	192.200	154.2	205.5
	Total	24	181.029	23.9249	4.8836	170.927	191.132	148.8	232.6

a. OBSERVATION DAY = 7th day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 11th day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	13.0058	2.35957	.68115	11.5066	14.5050	10.09	16.42
	TD	12	14.5608	4.61389	1.33192	11.6293	17.4924	7.09	20.63
	AD	12	12.3117	5.68065	1.63986	8.7024	15.9210	4.87	17.96
	HD	12	11.1067	3.19095	.92115	9.0792	13.1341	6.95	14.80
	Total	48	12.7463	4.22059	.60919	11.5207	13.9718	4.87	20.63
Body weight	VC	12	225.525	39.9559	11.5343	200.138	250.912	150.3	271.3
	TD	12	231.542	38.7849	11.1962	206.899	256.184	174.2	288.5
	AD	12	222.808	49.0118	14.1485	191.668	253.949	154.3	280.8
	HD	12	221.500	47.1005	13.5967	191.574	251.426	158.2	281.4
	Total	48	225.344	42.6890	6.1616	212.948	237.739	150.3	288.5

a. OBSERVATION DAY = 11th day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	7.846	3	44	.000
Body weight	.781	3	44	.511

a. OBSERVATION DAY = 11th day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	74.846	3	24.949	1.440	.244
	Within Groups	762.382	44	17.327		
	Total	837.228	47			
Body weight	Between Groups	715.797	3	238.599	.124	.946
	Within Groups	84934.861	44	1930.338		
	Total	85650.658	47			

a. OBSERVATION DAY = 11th day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	1.55500	1.69936	.687	-2.5792	5.6892
	AD	VC	-.69417	1.69936	.956	-4.8284	3.4400
	HD	VC	-1.89917	1.69936	.548	-6.0334	2.2350
Body weight	TD	VC	6.0167	17.9366	.975	-37.620	49.653
	AD	VC	-2.7167	17.9366	.998	-46.353	40.920
	HD	VC	-4.0250	17.9366	.992	-47.661	39.611

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 11th day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 11th day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	14.9317	1.66394	.67930	13.1855	16.6779	11.94	16.42
	TD	6	17.3250	5.11169	2.08684	11.9606	22.6894	7.09	20.63
	AD	6	17.3533	.44126	.18014	16.8903	17.8164	16.93	17.96
	HD	6	13.9950	.79071	.32281	13.1652	14.8248	12.64	14.80
	Total	24	15.9013	2.95508	.60320	14.6534	17.1491	7.09	20.63
Body weight	VC	6	256.350	11.8994	4.8579	243.862	268.838	242.8	271.3
	TD	6	262.917	17.2620	7.0472	244.801	281.032	242.6	288.5
	AD	6	263.283	12.6259	5.1545	250.033	276.533	242.6	280.8
	HD	6	262.833	16.7102	6.8219	245.297	280.370	236.8	281.4
	Total	24	261.346	14.1290	2.8841	255.380	267.312	236.8	288.5

a. OBSERVATION DAY = 11th day of drug exposure, Sex = Male

OBSERVATION DAY = 11th day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.0800	.76074	.31057	10.2817	11.8783	10.09	12.07
	TD	6	11.7967	1.53840	.62805	10.1822	13.4111	10.22	13.52
	AD	6	7.2700	3.12963	1.27766	3.9857	10.5543	4.87	12.21
	HD	6	8.2183	1.32424	.54062	6.8286	9.6080	6.95	10.07
	Total	24	9.5913	2.62586	.53600	8.4824	10.7001	4.87	13.52
Body weight	VC	6	194.700	33.0184	13.4797	160.049	229.351	150.3	247.2
	TD	6	200.167	25.4732	10.3994	173.434	226.899	174.2	248.2
	AD	6	182.333	34.5483	14.1043	146.077	218.590	154.3	237.3
	HD	6	180.167	22.3852	9.1387	156.675	203.659	158.2	221.7
	Total	24	189.342	28.6235	5.8427	177.255	201.428	150.3	248.2

a. OBSERVATION DAY = 11th day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 15thday of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	13.2050	2.47468	.71438	11.6327	14.7773	10.09	17.16
	TD	12	15.3792	4.16176	1.20140	12.7349	18.0234	10.03	20.84
	AD	12	12.6575	5.56774	1.60727	9.1199	16.1951	5.03	18.08
	HD	12	10.9925	3.37635	.97467	8.8473	13.1377	6.96	14.82
	Total	48	13.0585	4.23339	.61104	11.8293	14.2878	5.03	20.84
Body weight	VC	12	229.983	41.9949	12.1229	203.301	256.666	150.3	280.7
	TD	12	238.550	46.0402	13.2907	209.297	267.803	174.2	312.3
	AD	12	226.617	52.3222	15.1041	193.373	259.861	154.3	287.3
	HD	12	224.708	52.4331	15.1361	191.394	258.023	158.2	298.8
	Total	48	229.965	47.1353	6.8034	216.278	243.651	150.3	312.3

a. OBSERVATION DAY = 15thday of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	7.084	3	44	.001
Body weight	.840	3	44	.479

a. OBSERVATION DAY = 15thday of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	118.033	3	39.344	2.390	.081
	Within Groups	724.281	44	16.461		
	Total	842.315	47			
Body weight	Between Groups	1350.557	3	450.186	.192	.901
	Within Groups	103071.21	44	2342.528		
	Total	104421.77	47			

a. OBSERVATION DAY = 15thday of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	2.17417	1.65635	.422	-1.8554	6.2037
	AD	VC	-.54750	1.65635	.976	-4.5771	3.4821
	HD	VC	-2.21250	1.65635	.408	-6.2421	1.8171
Body weight	TD	VC	8.5667	19.7591	.949	-39.503	56.637
	AD	VC	-3.3667	19.7591	.996	-51.437	44.703
	HD	VC	-5.2750	19.7591	.987	-53.345	42.795

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 15thday of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 15thday of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	15.1667	1.90765	.77880	13.1647	17.1686	11.57	17.16
	TD	6	18.9950	1.89315	.77288	17.0083	20.9817	15.75	20.84
	AD	6	17.6050	.42524	.17360	17.1587	18.0513	17.11	18.08
	HD	6	14.1333	.66518	.27156	13.4353	14.8314	13.01	14.82
	Total	24	16.4750	2.36061	.48186	15.4782	17.4718	11.57	20.84
Body weight	VC	6	261.950	16.2095	6.6175	244.939	278.961	237.3	280.7
	TD	6	276.933	21.8765	8.9311	253.975	299.891	248.2	312.3
	AD	6	270.900	11.0781	4.5226	259.274	282.526	254.3	287.3
	HD	6	270.750	19.9855	8.1590	249.777	291.723	243.4	298.8
	Total	24	270.133	17.4486	3.5617	262.765	277.501	237.3	312.3

a. OBSERVATION DAY = 15thday of drug exposure, Sex = Male

OBSERVATION DAY = 15thday of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.2433	.77345	.31576	10.4316	12.0550	10.09	12.19
	TD	6	11.7633	1.77268	.72369	9.9030	13.6236	10.03	13.57
	AD	6	7.7100	3.04497	1.24310	4.5145	10.9055	5.03	12.62
	HD	6	7.8517	.98050	.40029	6.8227	8.8806	6.96	9.09
	Total	24	9.6421	2.58661	.52799	8.5499	10.7343	5.03	13.57
Body weight	VC	6	198.017	34.1267	13.9322	162.203	233.830	150.3	247.2
	TD	6	200.167	25.4732	10.3994	173.434	226.899	174.2	248.2
	AD	6	182.333	34.5483	14.1043	146.077	218.590	154.3	237.3
	HD	6	178.667	23.6913	9.6719	153.804	203.529	158.2	221.7
	Total	24	189.796	29.4663	6.0148	177.353	202.238	150.3	248.2

a. OBSERVATION DAY = 15thday of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 18th day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	13.4442	2.52498	.72890	11.8399	15.0485	10.17	17.39
	TD	12	15.4975	4.16111	1.20121	12.8537	18.1413	10.12	20.93
	AD	12	12.8267	5.71334	1.64930	9.1966	16.4567	5.09	18.17
	HD	11	11.9336	3.10105	.93500	9.8503	14.0169	6.71	14.97
	Total	47	13.4572	4.16007	.60681	12.2358	14.6787	5.09	20.93
Body weight	VC	12	231.400	44.7561	12.9200	202.963	259.837	151.4	293.4
	TD	12	244.917	47.6387	13.7521	214.649	275.185	174.5	314.3
	AD	12	231.992	57.6067	16.6296	195.390	268.593	155.3	299.9
	HD	11	232.436	52.3126	15.7728	197.292	267.580	155.3	293.7
	Total	47	235.245	49.4275	7.2097	220.732	249.757	151.4	314.3

a. OBSERVATION DAY = 18th day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	7.629	3	43	.000
Body weight	1.067	3	43	.373

a. OBSERVATION DAY = 18th day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	80.261	3	26.754	1.607	.202
	Within Groups	715.824	43	16.647		
	Total	796.084	46			
Body weight	Between Groups	1513.685	3	504.562	.196	.899
	Within Groups	110868.05	43	2578.327		
	Total	112381.74	46			

a. OBSERVATION DAY = 18th day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	2.05333	1.66569	.474	-2.0048	6.1114
	AD	VC	-.61750	1.66569	.967	-4.6756	3.4406
	HD	VC	-1.51053	1.70312	.707	-5.6598	2.6388
Body weight	TD	VC	13.5167	20.7297	.853	-36.987	64.020
	AD	VC	.5917	20.7297	1.000	-49.912	51.095
	HD	VC	1.0364	21.1956	1.000	-50.602	52.675

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 18th day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 18th day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	15.5983	1.51160	.61711	14.0120	17.1847	12.86	17.39
	TD	6	19.1283	1.87184	.76417	17.1640	21.0927	15.91	20.93
	AD	6	17.9183	.25569	.10438	17.6500	18.1867	17.57	18.17
	HD	6	14.3567	.63320	.25850	13.6922	15.0212	13.24	14.97
	Total	24	16.7504	2.24316	.45788	15.8032	17.6976	12.86	20.93
Body weight	VC	6	268.200	20.7102	8.4549	246.466	289.934	232.9	293.4
	TD	6	285.050	21.0007	8.5735	263.011	307.089	254.4	314.3
	AD	6	280.883	12.5651	5.1297	267.697	294.070	262.3	299.9
	HD	6	274.850	13.7733	5.6229	260.396	289.304	255.9	293.7
	Total	24	277.246	17.5175	3.5757	269.849	284.643	232.9	314.3

a. OBSERVATION DAY = 18th day of drug exposure, Sex = Male

OBSERVATION DAY = 18th day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.2900	.77725	.31731	10.4743	12.1057	10.17	12.26
	TD	6	11.8667	1.71752	.70117	10.0642	13.6691	10.12	13.59
	AD	6	7.7350	3.08665	1.26012	4.4958	10.9742	5.09	12.73
	HD	5	9.0260	2.04096	.91275	6.4918	11.5602	6.71	12.25
	Total	23	10.0209	2.59786	.54169	8.8975	11.1443	5.09	13.59
Body weight	VC	6	194.600	26.9770	11.0133	166.289	222.911	151.4	225.6
	TD	6	204.783	26.1935	10.6934	177.295	232.272	174.5	253.5
	AD	6	183.100	37.4960	15.3077	143.750	222.450	155.3	246.6
	HD	5	181.540	25.8450	11.5582	149.449	213.631	155.3	223.9
	Total	23	191.417	29.2376	6.0965	178.774	204.061	151.4	253.5

a. OBSERVATION DAY = 18th day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 20th day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	13.5433	2.56748	.74117	11.9120	15.1746	10.23	17.41
	TD	12	15.4242	4.15174	1.19851	12.7863	18.0621	10.16	20.95
	AD	12	12.9083	5.77434	1.66691	9.2395	16.5772	5.06	18.33
	HD	11	11.8309	2.95506	.89098	9.8457	13.8161	6.72	14.90
	Total	47	13.4606	4.15838	.60656	12.2397	14.6816	5.06	20.95
Body weight	VC	12	236.317	45.7970	13.2204	207.219	265.415	151.9	300.2
	TD	12	244.250	45.2017	13.0486	215.530	272.970	172.3	316.2
	AD	12	238.158	63.8143	18.4216	197.613	278.704	152.3	306.2
	HD	11	235.518	53.4917	16.1284	199.582	271.454	155.2	306.5
	Total	47	238.626	50.9704	7.4348	223.660	253.591	151.9	316.2

a. OBSERVATION DAY = 20th day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	8.336	3	43	.000
Body weight	1.828	3	43	.156

a. OBSERVATION DAY = 20th day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	79.224	3	26.408	1.585	.207
	Within Groups	716.215	43	16.656		
	Total	795.439	46			
Body weight	Between Groups	552.417	3	184.139	.067	.977
	Within Groups	118954.65	43	2766.387		
	Total	119507.07	46			

a. OBSERVATION DAY = 20th day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	1.88083	1.66614	.542	-2.1784	5.9401
	AD	VC	-.63500	1.66614	.964	-4.6942	3.4242
	HD	VC	-1.71242	1.70359	.626	-5.8629	2.4380
Body weight	TD	VC	7.9333	21.4724	.967	-44.380	60.247
	AD	VC	1.8417	21.4724	1.000	-50.472	54.155
	HD	VC	-.7985	21.9550	1.000	-54.287	52.690

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 20th day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 20th day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	15.7183	1.58602	.64749	14.0539	17.3828	12.84	17.41
	TD	6	19.0700	1.83368	.74860	17.1457	20.9943	16.06	20.95
	AD	6	18.0650	.28070	.11459	17.7704	18.3596	17.66	18.33
	HD	6	14.0383	1.00123	.40875	12.9876	15.0891	12.61	14.90
	Total	24	16.7229	2.35863	.48145	15.7270	17.7189	12.61	20.95
Body weight	VC	6	269.767	25.9586	10.5975	242.525	297.009	228.2	300.2
	TD	6	280.633	25.8560	10.5557	253.499	307.768	243.4	316.2
	AD	6	293.050	11.3108	4.6176	281.180	304.920	279.2	306.2
	HD	6	278.267	17.3329	7.0761	260.077	296.456	261.0	306.5
	Total	24	280.429	21.3866	4.3655	271.398	289.460	228.2	316.2

a. OBSERVATION DAY = 20th day of drug exposure, Sex = Male

OBSERVATION DAY = 20th day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.3683	.79582	.32489	10.5332	12.2035	10.23	12.34
	TD	6	11.7783	1.63031	.66557	10.0674	13.4892	10.16	13.49
	AD	6	7.7517	3.07521	1.25545	4.5244	10.9789	5.06	12.75
	HD	5	9.1820	2.12082	.94846	6.5487	11.8153	6.72	12.41
	Total	23	10.0565	2.57208	.53632	8.9443	11.1688	5.06	13.49
Body weight	VC	6	202.867	35.4258	14.4625	165.690	240.044	151.9	248.7
	TD	6	207.867	25.4854	10.4044	181.121	234.612	172.3	252.0
	AD	6	183.267	39.9951	16.3279	141.294	225.239	152.3	247.2
	HD	5	184.220	27.3376	12.2257	150.276	218.164	155.2	227.6
	Total	23	195.004	32.5308	6.7831	180.937	209.072	151.9	252.0

a. OBSERVATION DAY = 20th day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 22nd day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	13.7683	2.77610	.80139	12.0045	15.5322	10.26	17.91
	TD	12	15.9183	4.35126	1.25610	13.1537	18.6830	10.35	21.32
	AD	12	13.3667	6.07555	1.75386	9.5064	17.2269	5.19	20.14
	HD	11	12.4609	3.75810	1.13311	9.9362	14.9856	6.69	19.41
	Total	47	13.9087	4.46141	.65076	12.5988	15.2186	5.19	21.32
Body weight	VC	12	242.558	49.4352	14.2707	211.149	273.968	152.4	299.5
	TD	12	256.392	50.7556	14.6519	224.143	288.640	172.9	326.2
	AD	12	246.467	67.9901	19.6270	203.268	289.665	154.3	320.2
	HD	11	240.527	56.5643	17.0548	202.527	278.528	154.6	304.8
	Total	47	246.613	55.1315	8.0418	230.426	262.800	152.4	326.2

a. OBSERVATION DAY = 22nd day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	6.168	3	43	.001
Body weight	1.640	3	43	.194

a. OBSERVATION DAY = 22nd day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	75.283	3	25.094	1.284	.292
	Within Groups	840.310	43	19.542		
	Total	915.592	46			
Body weight	Between Groups	1752.406	3	584.135	.182	.908
	Within Groups	138063.95	43	3210.789		
	Total	139816.35	46			

a. OBSERVATION DAY = 22nd day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	2.15000	1.80472	.501	-2.2468	6.5468
	AD	VC	-.40167	1.80472	.992	-4.7985	3.9952
	HD	VC	-1.30742	1.84528	.821	-5.8031	3.1882
Body weight	TD	VC	13.8333	23.1329	.881	-42.525	70.192
	AD	VC	3.9083	23.1329	.997	-52.450	60.267
	HD	VC	-2.0311	23.6528	1.000	-59.656	55.594

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 22nd day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 22nd day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	16.1367	1.67852	.68525	14.3752	17.8982	12.99	17.91
	TD	6	19.7217	2.07959	.84899	17.5393	21.9041	15.98	21.32
	AD	6	18.8150	.76923	.31404	18.0077	19.6223	18.09	20.14
	HD	6	15.1550	2.33214	.95209	12.7076	17.6024	12.85	19.41
	Total	24	17.4571	2.55339	.52121	16.3789	18.5353	12.85	21.32
Body weight	VC	6	280.467	22.7517	9.2883	256.590	304.343	242.8	299.5
	TD	6	299.083	22.4263	9.1555	275.548	322.618	267.2	326.2
	AD	6	304.233	14.6471	5.9797	288.862	319.605	284.4	320.2
	HD	6	286.450	15.5447	6.3461	270.137	302.763	267.3	304.8
	Total	24	292.558	20.3856	4.1612	283.950	301.166	242.8	326.2

a. OBSERVATION DAY = 22nd day of drug exposure, Sex = Male

OBSERVATION DAY = 22nd day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.4000	.82202	.33559	10.5373	12.2627	10.26	12.37
	TD	6	12.1150	1.61619	.65981	10.4189	13.8111	10.35	13.95
	AD	6	7.9183	3.06151	1.24986	4.7055	11.1312	5.19	12.98
	HD	5	9.2280	2.13492	.95476	6.5772	11.8788	6.69	12.44
	Total	23	10.2061	2.59490	.54107	9.0840	11.3282	5.19	13.95
Body weight	VC	6	204.650	37.5487	15.3292	165.245	244.055	152.4	254.3
	TD	6	213.700	28.1133	11.4772	184.197	243.203	172.9	261.3
	AD	6	188.700	44.1193	18.0116	142.400	235.000	154.3	261.3
	HD	5	185.420	27.1548	12.1440	151.703	219.137	154.6	228.2
	Total	23	198.670	34.8553	7.2678	183.597	213.742	152.4	261.3

a. OBSERVATION DAY = 22nd day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 25th day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	13.7700	2.78028	.80260	12.0035	15.5365	10.26	17.94
	TD	12	15.9883	4.35771	1.25796	13.2196	18.7571	10.41	21.39
	AD	12	13.3908	6.07718	1.75433	9.5296	17.2521	5.23	20.23
	HD	11	12.4500	3.72502	1.12314	9.9475	14.9525	6.71	19.39
	Total	47	13.9306	4.46644	.65150	12.6192	15.2420	5.23	21.39
Body weight	VC	12	244.858	51.3078	14.8113	212.259	277.458	152.4	320.5
	TD	12	259.075	51.2460	14.7934	226.515	291.635	174.3	330.6
	AD	12	250.267	70.8952	20.4657	205.222	295.311	157.6	334.8
	HD	11	243.264	58.7561	17.7156	203.791	282.737	154.9	328.4
	Total	47	249.496	56.9990	8.3142	232.760	266.231	152.4	334.8

a. OBSERVATION DAY = 25th day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	6.344	3	43	.001
Body weight	1.631	3	43	.196

a. OBSERVATION DAY = 25th day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	78.731	3	26.244	1.345	.272
	Within Groups	838.926	43	19.510		
	Total	917.657	46			
Body weight	Between Groups	1793.575	3	597.858	.174	.913
	Within Groups	147655.30	43	3433.844		
	Total	149448.88	46			

a. OBSERVATION DAY = 25th day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	2.21833	1.80323	.475	-2.1749	6.6116
	AD	VC	-.37917	1.80323	.994	-4.7724	4.0141
	HD	VC	-1.32000	1.84376	.817	-5.8120	3.1720
Body weight	TD	VC	14.2167	23.9229	.883	-44.067	72.500
	AD	VC	5.4083	23.9229	.992	-52.875	63.692
	HD	VC	-1.5947	24.4606	1.000	-61.188	57.999

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 25th day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 25th day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	16.1200	1.73127	.70679	14.3031	17.9369	12.84	17.94
	TD	6	19.8217	1.97645	.80688	17.7475	21.8958	16.33	21.39
	AD	6	18.8417	.82487	.33675	17.9760	19.7073	18.03	20.23
	HD	6	15.1033	2.33834	.95462	12.6494	17.5573	12.77	19.39
	Total	24	17.4717	2.58988	.52866	16.3781	18.5653	12.77	21.39
Body weight	VC	6	283.600	27.7639	11.3346	254.464	312.736	241.4	320.5
	TD	6	302.150	23.2192	9.4792	277.783	326.517	269.8	330.6
	AD	6	310.633	19.1126	7.8027	290.576	330.691	287.2	334.8
	HD	6	289.683	22.7551	9.2897	265.803	313.563	262.6	328.4
	Total	24	296.517	24.3458	4.9696	286.236	306.797	241.4	334.8

a. OBSERVATION DAY = 25th day of drug exposure, Sex = Male

OBSERVATION DAY = 25th day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.4200	.86870	.35465	10.5084	12.3316	10.26	12.47
	TD	6	12.1550	1.61376	.65882	10.4615	13.8485	10.41	13.97
	AD	6	7.9400	3.04341	1.24247	4.7461	11.1339	5.23	12.99
	HD	5	9.2660	2.14991	.96147	6.5965	11.9355	6.71	12.49
	Total	23	10.2357	2.59751	.54162	9.1124	11.3589	5.23	13.97
Body weight	VC	6	206.117	37.6624	15.3756	166.592	245.641	152.4	249.2
	TD	6	216.000	28.0233	11.4405	186.591	245.409	174.3	262.4
	AD	6	189.900	44.1164	18.0104	143.603	236.197	157.6	262.4
	HD	5	187.560	29.5410	13.2111	150.880	224.240	154.9	234.8
	Total	23	200.430	35.2799	7.3564	185.174	215.687	152.4	262.4

a. OBSERVATION DAY = 25th day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 31st day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	13.8633	2.84467	.82119	12.0559	15.6708	10.24	17.98
	TD	12	16.0592	4.33439	1.25123	13.3052	18.8131	10.46	21.42
	AD	12	13.4492	6.15743	1.77750	9.5369	17.3614	5.02	20.35
	HD	11	12.4873	3.75915	1.13343	9.9618	15.0127	6.66	19.47
	Total	47	13.9962	4.50592	.65726	12.6732	15.3192	5.02	21.42
Body weight	VC	12	249.983	54.3358	15.6854	215.460	284.507	151.3	317.3
	TD	12	263.533	50.6414	14.6189	231.357	295.709	176.8	332.6
	AD	12	254.425	75.1385	21.6906	206.684	302.166	152.2	339.8
	HD	11	245.764	61.2706	18.4738	204.601	286.926	150.2	326.4
	Total	47	253.589	59.4093	8.6657	236.146	271.033	150.2	339.8

a. OBSERVATION DAY = 31st day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	6.329	3	43	.001
Body weight	1.860	3	43	.151

a. OBSERVATION DAY = 31st day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	79.918	3	26.639	1.341	.274
	Within Groups	854.035	43	19.861		
	Total	933.954	46			
Body weight	Between Groups	2024.673	3	674.891	.181	.909
	Within Groups	160330.81	43	3728.624		
	Total	162355.48	46			

a. OBSERVATION DAY = 31st day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	2.19583	1.81940	.490	-2.2368	6.6284
	AD	VC	-.41417	1.81940	.992	-4.8468	4.0184
	HD	VC	-1.37606	1.86029	.803	-5.9083	3.1562
Body weight	TD	VC	13.5500	24.9286	.907	-47.184	74.284
	AD	VC	4.4417	24.9286	.996	-56.292	65.175
	HD	VC	-4.2197	25.4889	.997	-66.318	57.879

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 31st day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 31st day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	16.2867	1.72175	.70290	14.4798	18.0935	12.99	17.98
	TD	6	19.8667	1.98026	.80844	17.7885	21.9448	16.29	21.42
	AD	6	18.9733	.79127	.32303	18.1429	19.8037	18.25	20.35
	HD	6	15.1583	2.36055	.96369	12.6811	17.6356	12.83	19.47
	Total	24	17.5713	2.58477	.52761	16.4798	18.6627	12.83	21.42
Body weight	VC	6	294.267	20.6438	8.4278	272.602	315.931	259.2	317.3
	TD	6	306.450	20.1348	8.2200	285.320	327.580	280.6	332.6
	AD	6	319.083	18.8191	7.6829	299.334	338.833	294.8	339.8
	HD	6	294.783	19.7539	8.0645	274.053	315.514	269.2	326.4
	Total	24	303.646	21.2193	4.3314	294.686	312.606	259.2	339.8

a. OBSERVATION DAY = 31st day of drug exposure, Sex = Male

OBSERVATION DAY = 31st day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.4400	.86267	.35218	10.5347	12.3453	10.24	12.45
	TD	6	12.2517	1.61768	.66042	10.5540	13.9493	10.46	14.08
	AD	6	7.9250	3.08952	1.26129	4.6827	11.1673	5.02	13.04
	HD	5	9.2820	2.19516	.98170	6.5564	12.0076	6.66	12.58
	Total	23	10.2657	2.64107	.55070	9.1236	11.4077	5.02	14.08
Body weight	VC	6	205.700	36.9139	15.0700	166.961	244.439	151.3	247.5
	TD	6	220.617	28.5689	11.6632	190.635	250.598	176.8	267.0
	AD	6	189.767	45.0878	18.4070	142.450	237.083	152.2	262.3
	HD	5	186.940	31.1090	13.9124	148.313	225.567	150.2	234.6
	Total	23	201.357	36.3779	7.5853	185.626	217.088	150.2	267.0

a. OBSERVATION DAY = 31st day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 33rd day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	13.9700	2.87997	.83137	12.1402	15.7998	10.31	18.06
	TD	12	15.9058	4.51218	1.30255	13.0389	18.7727	10.49	21.56
	AD	12	13.5258	6.20487	1.79119	9.5834	17.4682	5.03	20.45
	HD	11	12.5627	3.80820	1.14822	10.0043	15.1211	6.65	19.56
	Total	47	14.0215	4.55097	.66383	12.6853	15.3577	5.03	21.56
Body weight	VC	12	259.625	58.5011	16.8878	222.455	296.795	152.9	326.7
	TD	12	268.400	54.4759	15.7258	233.788	303.012	173.2	346.6
	AD	12	261.925	81.4691	23.5181	210.162	313.688	152.4	351.2
	HD	11	255.045	67.1123	20.2351	209.959	300.132	149.8	346.1
	Total	47	261.381	64.1692	9.3600	242.540	280.222	149.8	351.2

a. OBSERVATION DAY = 33rd day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	6.438	3	43	.001
Body weight	2.071	3	43	.118

a. OBSERVATION DAY = 33rd day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	68.997	3	22.999	1.119	.352
	Within Groups	883.722	43	20.552		
	Total	952.719	46			
Body weight	Between Groups	1073.280	3	357.760	.082	.970
	Within Groups	188340.05	43	4380.001		
	Total	189413.33	46			

a. OBSERVATION DAY = 33rd day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	1.93583	1.85075	.598	-2.5731	6.4448
	AD	VC	-.44417	1.85075	.990	-4.9531	4.0648
	HD	VC	-1.40727	1.89235	.800	-6.0176	3.2030
Body weight	TD	VC	8.7750	27.0185	.977	-57.050	74.600
	AD	VC	2.3000	27.0185	1.000	-63.525	68.125
	HD	VC	-4.5795	27.6257	.997	-71.884	62.725

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 33rd day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 33rd day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	16.4500	1.66153	.67832	14.7063	18.1937	13.25	18.06
	TD	6	19.9233	1.99436	.81419	17.8304	22.0163	16.40	21.56
	AD	6	19.0900	.77328	.31569	18.2785	19.9015	18.37	20.45
	HD	6	15.2817	2.32764	.95025	12.8390	17.7244	13.05	19.56
	Total	24	17.6863	2.54936	.52039	16.6097	18.7628	13.05	21.56
Body weight	VC	6	307.933	18.5974	7.5923	288.417	327.450	274.0	326.7
	TD	6	314.033	22.7507	9.2879	290.158	337.909	293.4	346.6
	AD	6	331.917	19.1531	7.8192	311.817	352.017	302.6	351.2
	HD	6	308.817	20.5500	8.3895	287.251	330.383	290.2	346.1
	Total	24	315.675	21.3702	4.3622	306.651	324.699	274.0	351.2

a. OBSERVATION DAY = 33rd day of drug exposure, Sex = Male

OBSERVATION DAY = 33rd day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.4900	.85182	.34775	10.5961	12.3839	10.31	12.55
	TD	6	11.8883	1.44126	.58839	10.3758	13.4008	10.49	14.17
	AD	6	7.9617	3.13035	1.27796	4.6766	11.2468	5.03	13.16
	HD	5	9.3000	2.25566	1.00876	6.4992	12.1008	6.65	12.72
	Total	23	10.1974	2.56338	.53450	9.0889	11.3059	5.03	14.17
Body weight	VC	6	211.317	39.7807	16.2404	169.569	253.064	152.9	255.4
	TD	6	222.767	31.8341	12.9962	189.359	256.175	173.2	273.7
	AD	6	191.933	49.7779	20.3217	139.695	244.172	152.4	274.2
	HD	5	190.520	34.5087	15.4328	147.672	233.368	149.8	239.2
	Total	23	204.726	39.5064	8.2376	187.642	221.810	149.8	274.2

a. OBSERVATION DAY = 33rd day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 35th day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	13.9550	2.89595	.83599	12.1150	15.7950	10.15	17.99
	TD	12	15.9633	4.50872	1.30156	13.0986	18.8280	10.54	21.59
	AD	12	13.5850	6.21328	1.79362	9.6373	17.5327	5.21	20.55
	HD	11	12.5818	3.78648	1.14167	10.0380	15.1256	6.66	19.53
	Total	47	14.0519	4.55459	.66436	12.7146	15.3892	5.21	21.59
Body weight	VC	12	260.258	60.4063	17.4378	221.878	298.639	150.7	344.2
	TD	12	272.708	55.0754	15.8989	237.715	307.702	177.9	354.6
	AD	12	266.817	84.9424	24.5208	212.847	320.786	154.7	359.8
	HD	11	256.955	66.7864	20.1369	212.087	301.822	150.2	364.8
	Total	47	264.338	65.8044	9.5986	245.017	283.659	150.2	364.8

a. OBSERVATION DAY = 35th day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	6.625	3	43	.001
Body weight	1.985	3	43	.131

a. OBSERVATION DAY = 35th day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	70.344	3	23.448	1.141	.343
	Within Groups	883.894	43	20.556		
	Total	954.238	46			
Body weight	Between Groups	1713.869	3	571.290	.124	.945
	Within Groups	197475.94	43	4592.464		
	Total	199189.81	46			

a. OBSERVATION DAY = 35th day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	2.00833	1.85093	.572	-2.5011	6.5178
	AD	VC	-.37000	1.85093	.994	-4.8794	4.1394
	HD	VC	-1.37318	1.89253	.811	-5.9839	3.2376
Body weight	TD	VC	12.4500	27.6661	.944	-54.953	79.853
	AD	VC	6.5583	27.6661	.991	-60.844	73.961
	HD	VC	-3.3038	28.2878	.999	-72.221	65.614

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 35th day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 35th day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	16.4433	1.67055	.68200	14.6902	18.1965	13.22	17.99
	TD	6	19.9767	1.99510	.81450	17.8829	22.0704	16.49	21.59
	AD	6	19.1717	.77166	.31503	18.3619	19.9815	18.44	20.55
	HD	6	15.2667	2.32924	.95091	12.8223	17.7111	13.06	19.53
	Total	24	17.7146	2.57961	.52656	16.6253	18.8039	13.06	21.59
Body weight	VC	6	309.550	25.2116	10.2926	283.092	336.008	271.8	344.2
	TD	6	317.933	27.7277	11.3198	288.835	347.032	287.6	354.6
	AD	6	340.783	22.1633	9.0481	317.524	364.042	304.2	359.8
	HD	6	308.617	28.6281	11.6874	278.573	338.660	287.6	364.8
	Total	24	319.221	27.6717	5.6485	307.536	330.906	271.8	364.8

a. OBSERVATION DAY = 35th day of drug exposure, Sex = Male

OBSERVATION DAY = 35th day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.4667	.89402	.36498	10.5285	12.4049	10.15	12.51
	TD	6	11.9500	1.44430	.58963	10.4343	13.4657	10.54	14.22
	AD	6	7.9983	3.07069	1.25360	4.7758	11.2208	5.21	13.11
	HD	5	9.3600	2.29656	1.02705	6.5084	12.2116	6.66	12.83
	Total	23	10.2300	2.55184	.53210	9.1265	11.3335	5.21	14.22
Body weight	VC	6	210.967	39.5068	16.1286	169.507	252.427	150.7	253.9
	TD	6	227.483	31.5550	12.8823	194.368	260.598	177.9	277.4
	AD	6	192.850	47.4519	19.3722	143.052	242.648	154.7	269.1
	HD	5	194.960	36.3178	16.2418	149.865	240.055	150.2	245.2
	Total	23	207.070	39.2282	8.1796	190.106	224.033	150.2	277.4

a. OBSERVATION DAY = 35th day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 37th day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	14.0458	2.91695	.84205	12.1925	15.8992	10.28	18.05
	TD	12	15.9692	4.44684	1.28369	13.1438	18.7946	10.61	21.57
	AD	12	13.5983	6.24596	1.80305	9.6298	17.5668	5.01	20.61
	HD	11	12.8418	3.61406	1.08968	10.4139	15.2698	6.66	19.63
	Total	47	14.1409	4.50404	.65698	12.8184	15.4633	5.01	21.57
Body weight	VC	12	267.617	63.9729	18.4674	226.970	308.263	153.1	350.2
	TD	12	277.575	56.0294	16.1743	241.976	313.174	177.5	356.3
	AD	12	270.100	86.5686	24.9902	215.097	325.103	152.1	368.0
	HD	11	263.518	68.3913	20.6208	217.572	309.464	150.4	363.9
	Total	47	269.834	67.5626	9.8550	249.997	289.671	150.4	368.0

a. OBSERVATION DAY = 37th day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	7.041	3	43	.001
Body weight	1.920	3	43	.141

a. OBSERVATION DAY = 37th day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	62.315	3	20.772	1.026	.391
	Within Groups	870.860	43	20.253		
	Total	933.175	46			
Body weight	Between Groups	1217.710	3	405.903	.084	.969
	Within Groups	208759.02	43	4854.861		
	Total	209976.73	46			

a. OBSERVATION DAY = 37th day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	1.92333	1.83723	.598	-2.5527	6.3994
	AD	VC	-.44750	1.83723	.990	-4.9235	4.0285
	HD	VC	-1.20402	1.87852	.859	-5.7807	3.3726
Body weight	TD	VC	9.9583	28.4454	.972	-59.343	79.260
	AD	VC	2.4833	28.4454	1.000	-66.818	71.785
	HD	VC	-4.0985	29.0848	.998	-74.958	66.761

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 37th day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 37th day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	16.5583	1.66634	.68028	14.8096	18.3071	13.31	18.05
	TD	6	19.9433	1.89814	.77491	17.9514	21.9353	16.56	21.57
	AD	6	19.2017	.78718	.32137	18.3756	20.0278	18.48	20.61
	HD	6	15.3700	2.31329	.94440	12.9423	17.7977	13.16	19.63
	Total	24	17.7683	2.51742	.51387	16.7053	18.8313	13.16	21.57
Body weight	VC	6	320.850	22.1580	9.0459	297.597	344.103	284.4	350.2
	TD	6	324.817	23.1925	9.4683	300.478	349.156	300.3	356.3
	AD	6	344.217	22.4711	9.1738	320.635	367.799	307.5	368.0
	HD	6	317.100	24.5718	10.0314	291.314	342.886	299.6	363.9
	Total	24	326.746	24.0547	4.9101	316.588	336.903	284.4	368.0

a. OBSERVATION DAY = 37th day of drug exposure, Sex = Male

OBSERVATION DAY = 37th day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.5333	.88985	.36328	10.5995	12.4672	10.28	12.60
	TD	6	11.9950	1.41247	.57664	10.5127	13.4773	10.61	14.23
	AD	6	7.9950	3.13899	1.28149	4.7008	11.2892	5.01	13.23
	HD	5	9.8080	2.20723	.98710	7.0674	12.5486	6.66	12.86
	Total	23	10.3557	2.54121	.52988	9.2568	11.4546	5.01	14.23
Body weight	VC	6	214.383	41.3702	16.8893	170.968	257.799	153.1	259.2
	TD	6	230.333	31.8166	12.9891	196.944	263.723	177.5	277.7
	AD	6	195.983	52.8983	21.5956	140.470	251.497	152.1	281.2
	HD	5	199.220	38.2671	17.1136	151.705	246.735	150.4	252.4
	Total	23	210.448	41.4613	8.6453	192.519	228.377	150.4	281.2

a. OBSERVATION DAY = 37th day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 40th day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	14.0458	2.88424	.83261	12.2133	15.8784	10.27	17.73
	TD	12	16.0658	4.53593	1.30941	13.1838	18.9478	10.61	21.68
	AD	12	13.6358	6.25250	1.80494	9.6632	17.6085	5.20	20.73
	HD	11	12.8727	3.60730	1.08764	10.4493	15.2961	6.68	19.65
	Total	47	14.1823	4.52825	.66051	12.8528	15.5119	5.20	21.68
Body weight	VC	12	267.542	65.1505	18.8073	226.147	308.936	152.6	359.3
	TD	12	276.567	53.6197	15.4787	242.498	310.635	179.4	351.5
	AD	12	272.175	88.7422	25.6177	215.791	328.559	153.4	371.2
	HD	11	264.455	65.6563	19.7961	220.346	308.563	151.8	333.0
	Total	47	270.306	67.4104	9.8328	250.514	290.099	151.8	371.2

a. OBSERVATION DAY = 40th day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	7.205	3	43	.001
Body weight	2.406	3	43	.080

a. OBSERVATION DAY = 40th day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	65.244	3	21.748	1.065	.374
	Within Groups	877.986	43	20.418		
	Total	943.230	46			
Body weight	Between Groups	980.602	3	326.867	.068	.977
	Within Groups	208050.67	43	4838.388		
	Total	209031.27	46			

a. OBSERVATION DAY = 40th day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	2.02000	1.84473	.565	-2.4743	6.5143
	AD	VC	-.41000	1.84473	.992	-4.9043	4.0843
	HD	VC	-1.17311	1.88619	.869	-5.7684	3.4222
Body weight	TD	VC	9.0250	28.3971	.979	-60.159	78.209
	AD	VC	4.6333	28.3971	.997	-64.551	73.817
	HD	VC	-3.0871	29.0354	.999	-73.826	67.652

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 40th day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 40th day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	16.5317	1.62866	.66490	14.8225	18.2408	13.30	17.73
	TD	6	20.1117	1.97644	.80688	18.0375	22.1858	16.62	21.68
	AD	6	19.2517	.82266	.33585	18.3883	20.1150	18.51	20.73
	HD	6	15.4000	2.29517	.93712	12.9911	17.8089	13.27	19.65
	Total	24	17.8238	2.56591	.52376	16.7403	18.9072	13.27	21.68
Body weight	VC	6	320.400	29.5231	12.0528	289.417	351.383	283.4	359.3
	TD	6	322.083	15.8916	6.4877	305.406	338.761	305.4	351.5
	AD	6	349.267	21.6061	8.8206	326.592	371.941	314.5	371.2
	HD	6	316.767	11.5604	4.7195	304.635	328.899	299.8	333.0
	Total	24	327.129	23.4356	4.7838	317.233	337.025	283.4	371.2

a. OBSERVATION DAY = 40th day of drug exposure, Sex = Male

OBSERVATION DAY = 40th day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.5600	.90468	.36933	10.6106	12.5094	10.27	12.62
	TD	6	12.0200	1.43978	.58779	10.5090	13.5310	10.61	14.31
	AD	6	8.0200	3.10473	1.26750	4.7618	11.2782	5.20	13.20
	HD	5	9.8400	2.20625	.98667	7.1006	12.5794	6.68	12.88
	Total	23	10.3826	2.53602	.52880	9.2859	11.4793	5.20	14.31
Body weight	VC	6	214.683	41.9627	17.1312	170.646	258.720	152.6	261.3
	TD	6	231.050	33.1718	13.5423	196.238	265.862	179.4	283.6
	AD	6	195.083	50.9419	20.7969	141.623	248.544	153.4	277.6
	HD	5	201.680	39.7388	17.7717	152.338	251.022	151.8	258.3
	Total	23	211.013	41.5856	8.6712	193.030	228.996	151.8	283.6

a. OBSERVATION DAY = 40th day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 42nd day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	14.2175	2.94480	.85009	12.3465	16.0885	10.29	18.25
	TD	12	16.1200	4.55802	1.31579	13.2240	19.0160	10.68	21.81
	AD	12	13.6267	6.31036	1.82164	9.6173	17.6361	4.98	20.80
	HD	11	12.9064	3.60948	1.08830	10.4815	15.3312	6.66	19.62
	Total	47	14.2455	4.56529	.66592	12.9051	15.5860	4.98	21.81
Body weight	VC	12	283.417	75.9528	21.9257	235.159	331.675	153.2	388.8
	TD	12	285.342	59.4289	17.1556	247.582	323.101	179.5	367.8
	AD	12	274.125	90.6034	26.1550	216.558	331.692	151.5	374.6
	HD	11	268.291	67.9844	20.4981	222.618	313.963	150.4	336.1
	Total	47	277.996	72.3879	10.5589	256.742	299.250	150.4	388.8

a. OBSERVATION DAY = 42nd day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	7.075	3	43	.001
Body weight	1.764	3	43	.168

a. OBSERVATION DAY = 42nd day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	66.496	3	22.165	1.068	.373
	Within Groups	892.232	43	20.750		
	Total	958.728	46			
Body weight	Between Groups	2216.002	3	738.667	.133	.940
	Within Groups	238824.30	43	5554.053		
	Total	241040.30	46			

a. OBSERVATION DAY = 42nd day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	1.90250	1.85964	.614	-2.6281	6.4331
	AD	VC	-.59083	1.85964	.979	-5.1215	3.9398
	HD	VC	-1.31114	1.90144	.832	-5.9436	3.3213
Body weight	TD	VC	1.9250	30.4249	1.000	-72.199	76.049
	AD	VC	-9.2917	30.4249	.981	-83.416	64.833
	HD	VC	-15.1258	31.1087	.931	-90.916	60.664

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 42nd day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 42nd day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	16.8350	1.34676	.54981	15.4217	18.2483	14.29	18.25
	TD	6	20.1900	1.98239	.80931	18.1096	22.2704	16.69	21.81
	AD	6	19.2817	.82976	.33875	18.4109	20.1524	18.54	20.80
	HD	6	15.4417	2.25856	.92205	13.0715	17.8119	13.38	19.62
	Total	24	17.9371	2.49885	.51008	16.8819	18.9923	13.38	21.81
Body weight	VC	6	349.000	22.8441	9.3261	325.027	372.973	329.3	388.8
	TD	6	336.183	21.4213	8.7452	313.703	358.664	311.0	367.8
	AD	6	351.800	27.0390	11.0386	323.424	380.176	306.4	374.6
	HD	6	322.000	13.3731	5.4595	307.966	336.034	299.3	336.1
	Total	24	339.746	23.5950	4.8163	329.783	349.709	299.3	388.8

a. OBSERVATION DAY = 42nd day of drug exposure, Sex = Male

OBSERVATION DAY = 42nd day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.6000	.90622	.36996	10.6490	12.5510	10.29	12.64
	TD	6	12.0500	1.42145	.58030	10.5583	13.5417	10.68	14.33
	AD	6	7.9717	3.18860	1.30174	4.6254	11.3179	4.98	13.26
	HD	5	9.8640	2.23225	.99829	7.0923	12.6357	6.66	12.94
	Total	23	10.3935	2.58288	.53857	9.2766	11.5104	4.98	14.33
Body weight	VC	6	217.833	42.9737	17.5439	172.735	262.931	153.2	265.2
	TD	6	234.500	33.2771	13.5853	199.578	269.422	179.5	284.3
	AD	6	196.450	53.3711	21.7887	140.440	252.460	151.5	284.4
	HD	5	203.840	42.5646	19.0355	150.989	256.691	150.4	263.5
	Total	23	213.561	43.2904	9.0267	194.841	232.281	150.4	284.4

a. OBSERVATION DAY = 42nd day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 44th day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	14.2458	2.95748	.85375	12.3667	16.1249	10.32	18.28
	TD	12	16.2175	4.37973	1.26432	13.4348	19.0002	10.72	21.81
	AD	12	13.5758	6.23732	1.80056	9.6128	17.5388	4.98	20.85
	HD	11	12.9845	3.66515	1.10508	10.5223	15.4468	6.64	19.66
	Total	47	14.2830	4.51800	.65902	12.9564	15.6095	4.98	21.81
Body weight	VC	12	285.142	78.4081	22.6345	235.324	334.960	154.4	392.1
	TD	12	288.825	61.0185	17.6145	250.056	327.594	179.3	379.5
	AD	12	272.067	88.5627	25.5659	215.797	328.337	151.5	377.8
	HD	11	276.636	76.9788	23.2100	224.921	328.351	149.6	390.2
	Total	47	280.753	74.6326	10.8863	258.840	302.666	149.6	392.1

a. OBSERVATION DAY = 44th day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	6.399	3	43	.001
Body weight	1.139	3	43	.344

a. OBSERVATION DAY = 44th day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	69.471	3	23.157	1.145	.342
	Within Groups	869.494	43	20.221		
	Total	938.965	46			
Body weight	Between Groups	2104.853	3	701.618	.119	.949
	Within Groups	254116.34	43	5909.682		
	Total	256221.20	46			

a. OBSERVATION DAY = 44th day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	1.97167	1.83579	.579	-2.5009	6.4442
	AD	VC	-.67000	1.83579	.968	-5.1425	3.8025
	HD	VC	-1.26129	1.87705	.842	-5.8343	3.3118
Body weight	TD	VC	3.6833	31.3839	.999	-72.777	80.144
	AD	VC	-13.0750	31.3839	.954	-89.535	63.385
	HD	VC	-8.5053	32.0892	.987	-86.684	69.674

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 44th day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 44th day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	16.8783	1.34348	.54847	15.4684	18.2882	14.33	18.28
	TD	6	20.0967	1.99393	.81402	18.0042	22.1892	16.81	21.81
	AD	6	19.1517	.91441	.37330	18.1921	20.1113	18.33	20.85
	HD	6	15.5817	2.22676	.90907	13.2448	17.9185	13.44	19.66
	Total	24	17.9271	2.42022	.49403	16.9051	18.9491	13.44	21.81
Body weight	VC	6	353.883	22.8680	9.3358	329.885	377.882	337.1	392.1
	TD	6	340.900	23.0584	9.4136	316.702	365.098	317.4	379.5
	AD	6	346.800	31.6729	12.9304	313.561	380.039	306.2	377.8
	HD	6	336.767	30.6394	12.5085	304.613	368.921	299.7	390.2
	Total	24	344.588	26.3582	5.3803	333.457	355.718	299.7	392.1

a. OBSERVATION DAY = 44th day of drug exposure, Sex = Male

OBSERVATION DAY = 44th day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.6133	.89754	.36642	10.6714	12.5552	10.32	12.68
	TD	6	12.3383	1.45245	.59296	10.8141	13.8626	10.72	14.35
	AD	6	8.0000	3.18391	1.29983	4.6587	11.3413	4.98	13.25
	HD	5	9.8680	2.26419	1.01258	7.0566	12.6794	6.64	13.00
	Total	23	10.4804	2.63690	.54983	9.3402	11.6207	4.98	14.35
Body weight	VC	6	216.400	40.7589	16.6398	173.626	259.174	154.4	264.8
	TD	6	236.750	33.9284	13.8512	201.144	272.356	179.3	285.9
	AD	6	197.333	53.3671	21.7870	141.328	253.339	151.5	283.0
	HD	5	204.480	41.3428	18.4891	153.146	255.814	149.6	257.8
	Total	23	214.143	42.8520	8.9353	195.613	232.674	149.6	285.9

a. OBSERVATION DAY = 44th day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 47th day of drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	14.3092	2.92113	.84326	12.4532	16.1652	10.34	18.32
	TD	12	16.2392	4.37137	1.26190	13.4617	19.0166	10.75	21.79
	AD	12	13.6083	6.25022	1.80428	9.6371	17.5795	4.98	20.91
	HD	11	13.0136	3.66620	1.10540	10.5507	15.4766	6.63	19.68
	Total	47	14.3198	4.51384	.65841	12.9945	15.6451	4.98	21.79
Body weight	VC	12	295.308	72.9354	21.0546	248.967	341.649	155.8	394.9
	TD	12	292.625	62.1126	17.9304	253.161	332.089	179.0	379.5
	AD	12	274.750	90.3783	26.0900	217.326	332.174	151.5	379.2
	HD	11	276.855	76.1618	22.9637	225.688	328.021	148.7	372.1
	Total	47	285.055	74.1287	10.8128	263.290	306.820	148.7	394.9

a. OBSERVATION DAY = 47th day of drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	6.588	3	43	.001
Body weight	1.114	3	43	.354

a. OBSERVATION DAY = 47th day of drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	69.050	3	23.017	1.140	.344
	Within Groups	868.188	43	20.190		
	Total	937.238	46			
Body weight	Between Groups	3963.267	3	1321.089	.228	.876
	Within Groups	248810.01	43	5786.279		
	Total	252773.28	46			

a. OBSERVATION DAY = 47th day of drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	1.93000	1.83441	.594	-2.5392	6.3992
	AD	VC	-.70083	1.83441	.964	-5.1700	3.7683
	HD	VC	-1.29553	1.87564	.832	-5.8652	3.2741
Body weight	TD	VC	-2.6833	31.0545	1.000	-78.341	72.975
	AD	VC	-20.5583	31.0545	.848	-96.216	55.100
	HD	VC	-18.4538	31.7524	.890	-95.812	58.905

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 47th day of drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 47th day of drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	16.9017	1.35747	.55419	15.4771	18.3262	14.35	18.32
	TD	6	20.1183	1.96043	.80034	18.0610	22.1757	16.81	21.79
	AD	6	19.1967	.92873	.37915	18.2220	20.1713	18.30	20.91
	HD	6	15.6133	2.20798	.90141	13.2962	17.9305	13.51	19.68
	Total	24	17.9575	2.41379	.49271	16.9382	18.9768	13.51	21.79
Body weight	VC	6	358.417	22.9919	9.3864	334.288	382.545	329.6	394.9
	TD	6	346.317	19.0921	7.7943	326.281	366.353	327.6	379.5
	AD	6	351.300	32.5278	13.2794	317.164	385.436	306.0	379.2
	HD	6	337.417	25.9360	10.5883	310.198	364.635	298.7	372.1
	Total	24	348.363	25.1272	5.1291	337.752	358.973	298.7	394.9

a. OBSERVATION DAY = 47th day of drug exposure, Sex = Male

OBSERVATION DAY = 47th day of drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.7167	.89404	.36499	10.7784	12.6549	10.34	12.74
	TD	6	12.3600	1.44261	.58894	10.8461	13.8739	10.75	14.37
	AD	6	8.0200	3.18281	1.29938	4.6798	11.3602	4.98	13.24
	HD	5	9.8940	2.28161	1.02037	7.0610	12.7270	6.63	13.04
	Total	23	10.5239	2.64782	.55211	9.3789	11.6689	4.98	14.37
Body weight	VC	6	232.200	40.2001	16.4116	190.013	274.387	155.8	265.8
	TD	6	238.933	34.7036	14.1677	202.514	275.353	179.0	287.5
	AD	6	198.200	53.3695	21.7880	142.192	254.208	151.5	282.3
	HD	5	204.180	39.4598	17.6470	155.184	253.176	148.7	249.4
	Total	23	218.996	43.5343	9.0775	200.170	237.821	148.7	287.5

a. OBSERVATION DAY = 47th day of drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 49th day after drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	12	14.2250	2.85648	.82460	12.4101	16.0399	10.31	18.17
	TD	12	16.4608	4.25791	1.22915	13.7555	19.1662	10.61	21.79
	AD	12	13.6658	6.32630	1.82625	9.6463	17.6854	4.86	20.88
	HD	11	12.9309	3.65475	1.10195	10.4756	15.3862	6.63	19.61
	Total	47	14.3502	4.53110	.66093	13.0198	15.6806	4.86	21.79
Body weight	VC	12	284.400	61.7319	17.8205	245.177	323.623	154.2	372.6
	TD	12	275.233	75.9371	21.9212	226.985	323.481	175.1	364.4
	AD	12	278.167	93.9577	27.1232	218.469	337.865	147.9	383.5
	HD	11	272.018	74.1647	22.3615	222.194	321.843	148.7	368.3
	Total	47	277.570	74.9538	10.9331	255.563	299.577	147.9	383.5

a. OBSERVATION DAY = 49th day after drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	7.176	3	43	.001
Body weight	1.902	3	43	.144

a. OBSERVATION DAY = 49th day after drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	81.424	3	27.141	1.352	.270
	Within Groups	862.997	43	20.070		
	Total	944.421	46			
Body weight	Between Groups	968.629	3	322.876	.054	.983
	Within Groups	257462.53	43	5987.501		
	Total	258431.16	46			

a. OBSERVATION DAY = 49th day after drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	2.23583	1.82892	.480	-2.2200	6.6916
	AD	VC	-.55917	1.82892	.981	-5.0150	3.8966
	HD	VC	-1.29409	1.87002	.831	-5.8500	3.2618
Body weight	TD	VC	-9.1667	31.5898	.983	-86.129	67.796
	AD	VC	-6.2333	31.5898	.995	-83.196	70.729
	HD	VC	-12.3818	32.2998	.964	-91.074	66.310

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 49th day after drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 49th day after drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	16.6600	1.69826	.69331	14.8778	18.4422	13.34	18.17
	TD	6	20.2433	1.93459	.78979	18.2131	22.2736	16.82	21.79
	AD	6	19.3250	.82104	.33519	18.4634	20.1866	18.64	20.88
	HD	6	15.5133	2.21216	.90311	13.1918	17.8349	13.43	19.61
	Total	24	17.9354	2.54931	.52037	16.8589	19.0119	13.34	21.79
Body weight	VC	6	334.000	26.2024	10.6971	306.502	361.498	293.4	372.6
	TD	6	340.550	18.9152	7.7221	320.700	360.400	320.8	364.4
	AD	6	358.917	26.6539	10.8814	330.945	386.888	314.5	383.5
	HD	6	330.950	25.6836	10.4853	303.997	357.903	297.4	368.3
	Total	24	341.104	25.4517	5.1953	330.357	351.851	293.4	383.5

a. OBSERVATION DAY = 49th day after drug exposure, Sex = Male

OBSERVATION DAY = 49th day after drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	11.7900	.91470	.37343	10.8301	12.7499	10.31	12.80
	TD	6	12.6783	1.34364	.54854	11.2683	14.0884	10.61	14.33
	AD	6	8.0067	3.24218	1.32361	4.6042	11.4091	4.86	13.30
	HD	5	9.8320	2.29531	1.02650	6.9820	12.6820	6.63	13.06
	Total	23	10.6091	2.73492	.57027	9.4265	11.7918	4.86	14.33
Body weight	VC	6	234.800	42.3425	17.2862	190.364	279.236	154.2	270.3
	TD	6	209.917	45.7094	18.6608	161.948	257.886	175.1	284.3
	AD	6	197.417	55.3346	22.5903	139.347	255.487	147.9	286.2
	HD	5	201.300	38.2842	17.1212	153.764	248.836	148.7	243.2
	Total	23	211.274	45.5097	9.4894	191.594	230.954	147.9	286.2

a. OBSERVATION DAY = 49th day after drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 51st day after drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	13.7050	2.89325	1.18117	10.6687	16.7413	10.37	17.20
	TD	6	17.3167	4.10228	1.67475	13.0116	21.6217	13.22	21.72
	AD	6	14.0783	6.64626	2.71332	7.1035	21.0532	6.11	20.94
	HD	5	12.4980	5.66571	2.53378	5.4631	19.5329	6.72	19.70
	Total	23	14.4822	4.98979	1.04044	12.3244	16.6399	6.11	21.72
Body weight	VC	6	262.150	90.0665	36.7695	167.631	356.669	154.2	383.3
	TD	6	317.467	44.1208	18.0122	271.165	363.769	262.1	370.1
	AD	6	301.617	86.1785	35.1822	211.178	392.055	161.3	384.0
	HD	5	276.380	113.8423	50.9118	135.026	417.734	155.7	403.7
	Total	23	289.970	82.6230	17.2281	254.241	325.698	154.2	403.7

a. OBSERVATION DAY = 51st day after drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	2.898	3	19	.062
Body weight	2.057	3	19	.140

a. OBSERVATION DAY = 51st day after drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	72.493	3	24.164	.966	.429
	Within Groups	475.263	19	25.014		
	Total	547.756	22			
Body weight	Between Groups	10917.424	3	3639.141	.496	.689
	Within Groups	139266.98	19	7329.841		
	Total	150184.41	22			

a. OBSERVATION DAY = 51st day after drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	3.61167	2.88755	.474	-3.7654	10.9887
	AD	VC	.37333	2.88755	.998	-7.0037	7.7504
	HD	VC	-1.20700	3.02849	.959	-8.9441	6.5301
Body weight	TD	VC	55.3167	49.4296	.557	-70.964	181.598
	AD	VC	39.4667	49.4296	.769	-86.814	165.748
	HD	VC	14.2300	51.8421	.986	-118.215	146.675

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 51st day after drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 51st day after drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	3	15.9167	2.20550	1.27335	10.4379	21.3954	13.37	17.20
	TD	3	20.9800	1.18773	.68574	18.0295	23.9305	19.61	21.72
	AD	3	19.6100	1.15269	.66551	16.7466	22.4734	18.90	20.94
	HD	3	16.3300	3.02223	1.74489	8.8224	23.8376	13.86	19.70
	Total	12	18.2092	2.84054	.81999	16.4044	20.0140	13.37	21.72
Body weight	VC	3	330.400	46.4636	26.8258	214.978	445.822	296.2	393.3
	TD	3	355.267	18.6715	10.7800	308.884	401.649	334.3	370.1
	AD	3	369.600	19.4301	11.2180	321.333	417.867	347.5	384.0
	HD	3	355.633	48.6088	28.0643	234.882	476.384	306.5	403.7
	Total	12	352.725	34.2318	9.8819	330.975	374.475	296.2	403.7

a. OBSERVATION DAY = 51st day after drug exposure, Sex = Male

OBSERVATION DAY = 51st day after drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	3	11.4933	1.17840	.68035	8.5660	14.4206	10.37	12.72
	TD	3	13.6533	.63319	.36557	12.0804	15.2263	13.22	14.38
	AD	3	8.5467	4.15996	2.40175	-1.7872	18.8806	6.11	13.35
	HD	2	6.7500	.04243	.03000	6.3688	7.1312	6.72	6.78
	Total	11	10.4164	3.32380	1.00216	8.1834	12.6493	6.11	14.38
Body weight	VC	3	193.900	64.3962	37.1792	33.931	353.869	154.2	268.2
	TD	3	279.667	15.2139	8.7838	241.873	317.460	262.1	288.6
	AD	3	233.633	65.7578	37.9653	70.282	396.985	161.3	289.8
	HD	2	157.500	2.5456	1.8000	134.629	180.371	155.7	159.3
	Total	11	221.509	62.0325	18.7035	179.835	263.183	154.2	289.8

a. OBSERVATION DAY = 51st day after drug exposure, Sex = Female

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 60th day after drug exposure

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	6	13.7250	2.92061	1.19233	10.6600	16.7900	10.44	17.27
	TD	6	17.3717	4.05648	1.65605	13.1147	21.6287	13.29	21.74
	AD	6	14.1417	6.64135	2.71132	7.1720	21.1113	6.19	20.97
	HD	5	12.5540	5.68717	2.54338	5.4924	19.6156	6.78	19.75
	Total	23	14.5304	4.98910	1.04030	12.3730	16.6879	6.19	21.74
Body weight	VC	6	287.000	80.8794	33.0189	202.122	371.878	164.1	389.4
	TD	6	320.367	41.7975	17.0638	276.503	364.230	269.7	372.6
	AD	6	306.117	85.8220	35.0367	216.052	396.181	167.2	384.6
	HD	5	280.980	117.5969	52.5909	134.964	426.996	159.3	418.9
	Total	23	299.383	79.5193	16.5809	264.996	333.769	159.3	418.9

a. OBSERVATION DAY = 60th day after drug exposure

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Food Intake	2.886	3	19	.063
Body weight	2.443	3	19	.096

a. OBSERVATION DAY = 60th day after drug exposure

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Food Intake	Between Groups	72.766	3	24.255	.971	.427
	Within Groups	474.838	19	24.991		
	Total	547.604	22			
Body weight	Between Groups	5527.323	3	1842.441	.262	.852
	Within Groups	133585.77	19	7030.830		
	Total	139113.09	22			

a. OBSERVATION DAY = 60th day after drug exposure

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Food Intake	TD	VC	3.64667	2.88626	.466	-3.7271	11.0204
	AD	VC	.41667	2.88626	.998	-6.9571	7.7904
	HD	VC	-1.17100	3.02713	.963	-8.9046	6.5626
Body weight	TD	VC	33.3667	48.4108	.834	-90.312	157.045
	AD	VC	19.1167	48.4108	.960	-104.562	142.795
	HD	VC	-6.0200	50.7737	.999	-135.735	123.695

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. OBSERVATION DAY = 60th day after drug exposure

Colostrum Sub Chronic SPRAGUE DAWLEY Rats FOB-LIVE PHASE OF ANIMALS

OBSERVATION DAY = 60th day after drug exposure, Sex = Male

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY MALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	3	15.9600	2.25169	1.30001	10.3665	21.5535	13.36	17.27
	TD	3	20.9933	1.16578	.67306	18.0974	23.8893	19.65	21.74
	AD	3	19.6733	1.12349	.64865	16.8824	22.4642	18.99	20.97
	HD	3	16.4033	3.02037	1.74381	8.9003	23.9063	13.88	19.75
	Total	12	18.2575	2.83237	.81763	16.4579	20.0571	13.36	21.74
Body weight	VC	3	349.800	41.6303	24.0353	246.385	453.215	306.4	389.4
	TD	3	356.433	17.2929	9.9840	313.475	399.391	338.2	372.6
	AD	3	374.333	17.2654	9.9682	331.444	417.223	354.4	384.6
	HD	3	362.100	54.6019	31.5244	226.461	497.739	310.0	418.9
	Total	12	360.667	32.4705	9.3734	340.036	381.297	306.4	418.9

a. OBSERVATION DAY = 60th day after drug exposure, Sex = Male

OBSERVATION DAY = 60th day after drug exposure, Sex = Female

Descriptives-Colostrum Sub Chronic SPRAGUE DAWLEY FEMALE Rats FOB-LIVE PHASE OF ANIMALS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Food Intake	VC	3	11.4900	1.12654	.65041	8.6915	14.2885	10.44	12.68
	TD	3	13.7500	.65506	.37820	12.1227	15.3773	13.29	14.50
	AD	3	8.6100	4.14834	2.39504	-1.6950	18.9150	6.19	13.40
	HD	2	6.7800	.00000	.00000	6.7800	6.7800	6.78	6.78
	Total	11	10.4645	3.32898	1.00372	8.2281	12.7010	6.19	14.50
Body weight	VC	3	224.200	52.8120	30.4910	93.008	355.392	164.1	263.2
	TD	3	284.300	12.8888	7.4413	252.283	316.317	269.7	294.1
	AD	3	237.900	64.4584	37.2151	77.776	398.024	167.2	293.4
	HD	2	159.300	.0000	.0000	159.300	159.300	159.3	159.3
	Total	11	232.527	57.6893	17.3940	193.771	271.283	159.3	294.1

a. OBSERVATION DAY = 60th day after drug exposure, Sex = Female

Colostrum Sub Chronic S D Rats FOB-CAGE SIDE EXAMINATION OF ANIMALS

Home Cage Activity

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Cage side Observation	Normal	12	100	12	100	12	100	12	100
Base line	Cage side Observation	Normal	12	100	12	100	10	83	12	100
		Lying on side					1	8		
		Alert towards investigator					1	8		
1st day drug exposure	Cage side Observation	Normal	10	83	11	92	11	92	11	92
		Lying on side	2	17	1	8	1	8	1	8
4th day of drug exposure	Cage side Observation	Normal	12	100	11	92	12	100	11	92
		Lying on side			1	8			1	8
7th day of drug exposure	Cage side Observation	Normal	11	92	11	92	11	92	10	83
		Lying on side	1	8	1	8			1	8
		Alert towards investigator					1	8	1	8
11th day of drug exposure	Cage side Observation	Normal	12	100	11	92	8	67	11	92
		Lying on side			1	8	2	17	1	8
		Alert towards investigator					2	17		
15thday of drug exposure	Cage side Observation	Normal	7	58	10	83	11	92	12	100
		Lying on side	4	33	1	8	1	8		
		Alert towards investigator	1	8	1	8				
18th day of drug exposure	Cage side Observation	Normal	9	75	12	100	11	92	11	100
		Lying on side	2	17			1	8		
		Alert towards investigator	1	8						
20th day of drug exposure	Cage side Observation	Normal	12	100	8	67	10	83	11	100
		Lying on side			3	25	2	17		
		Alert towards investigator			1	8				
22nd day of drug exposure	Cage side Observation	Normal	12	100	12	100	10	83	9	82
		Lying on side					2	17	2	18
25th day of drug exposure	Cage side Observation	Normal	11	92	12	100	12	100	7	64
		Lying on side	1	8					2	18
		Alert towards investigator							2	18
31st day of drug exposure	Cage side Observation	Normal	10	83	12	100	11	92	11	100
		Lying on side	2	17						
		Alert towards investigator					1	8		
33rd day of drug exposure	Cage side Observation	Normal	10	83	9	75	10	83	10	91
		Lying on side	2	17	3	25	2	17		
		Alert towards investigator							1	9
35th day of drug exposure	Cage side Observation	Normal	12	100	11	92	12	100	10	91
		Lying on side							1	9
		Alert towards investigator			1	8				
37th day of drug exposure	Cage side Observation	Normal	12	100	10	83	11	92	11	100
		Lying on side			1	8	1	8		
		Alert towards investigator			1	8				
40th day of drug exposure	Cage side Observation	Normal	10	83	9	75	9	75	7	64
		Lying on side			2	17	3	25	4	36
		Alert towards investigator	2	17	1	8				
42nd day of drug exposure	Cage side Observation	Normal	8	67	11	92	11	92	9	82
		Lying on side	2	17	1	8	1	8	2	18
		Alert towards investigator	2	17						
44th day of drug exposure	Cage side Observation	Normal	11	92	11	92	9	75	11	100
		Lying on side	1	8			3	25		
		Alert towards investigator			1	8				
47th day of drug exposure	Cage side Observation	Normal	11	92	11	92	10	83	10	91
		Lying on side	1	8			1	8		
		Alert towards investigator			1	8	1	8	1	9
49th day after drug exposure	Cage side Observation	Normal	11	92	12	100	12	100	10	91
		Lying on side							1	9
		Alert towards investigator	1	8						
51st day after drug exposure	Cage side Observation	Normal	5	83	4	67	6	100	5	100
		Lying on side	1	17	2	33				
60th day after	Cage side Observation	Normal	6	100	6	100	6	100	5	100

Colostrum Sub Chronic S D Rats FOB-CAGE SIDE EXAMINATION OF ANIMALS

Feaces Amount

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Feaces Excretion	Present	12	100	12	100	12	100	12	100
Base line	Feaces Excretion	Present	12	100	12	100	12	100	12	100
1st day drug exposure	Feaces Excretion	Present	12	100	12	100	12	100	12	100
4th day of drug exposure	Feaces Excretion	Present	12	100	12	100	12	100	12	100
7th day of drug exposure	Feaces Excretion	Present	12	100	12	100	12	100	12	100
11th day of drug	Feaces Excretion	Present	12	100	12	100	12	100	12	100
15thday of drug exposure	Feaces Excretion	Present	12	100	12	100	12	100	12	100
18th day of drug	Feaces Excretion	Present	12	100	12	100	12	100	12	100
20th day of drug	Feaces Excretion	Present	12	100	12	100	12	100	12	100
22nd day of drug	Feaces Excretion	Present	12	100	12	100	12	100	11	100
25th day of drug	Feaces Excretion	Present	12	100	12	100	12	100	11	100
31st day of drug	Feaces Excretion	Present	12	100	12	100	12	100	11	100
33rd day of drug	Feaces Excretion	Present	12	100	12	100	12	100	11	100
35th day of drug	Feaces Excretion	Present	12	100	12	100	12	100	11	100
37th day of drug	Feaces Excretion	Present	12	100	12	100	12	100	11	100
40th day of drug	Feaces Excretion	Present	12	100	12	100	12	100	11	100
42nd day of drug	Feaces Excretion	Present	12	100	12	100	12	100	11	100
44th day of drug	Feaces Excretion	Present	12	100	12	100	12	100	11	100
47th day of drug	Feaces Excretion	Present	12	100	12	100	12	100	11	100
49th day after drug	Feaces Excretion	Present	12	100	12	100	12	100	11	100
51st day after drug	Feaces Excretion	Present	6	100	6	100	6	100	5	100
60th day after drug	Feaces Excretion	Present	6	100	6	100	6	100	5	100

FEACES COLOUR

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Feaces	Normal	12	100	12	100	12	100	12	100
Base line	Feaces	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Feaces	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Feaces	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Feaces	Normal	12	100	12	100	12	100	12	100
11th day of drug	Feaces	Normal	12	100	12	100	12	100	12	100
15thday of drug	Feaces	Normal	12	100	12	100	12	100	12	100
18th day of drug	Feaces	Normal	12	100	12	100	12	100	12	100
20th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
25th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
31st day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
35th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
37th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
40th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
44th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
47th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
49th day after drug	Feaces	Normal	12	100	12	100	12	100	11	100
51st day after drug	Feaces	Normal	6	100	6	100	6	100	5	100
60th day after drug	Feaces	Normal	6	100	6	100	6	100	5	100

Colostrum Sub Chronic S D Rats FOB-CAGE SIDE EXAMINATION OF ANIMALS

FEACES CONSISITENCY

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Feaces	Normal	12	100	12	100	12	100	12	100
Base line	Feaces	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Feaces	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Feaces	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Feaces	Normal	12	100	12	100	12	100	12	100
11th day of drug	Feaces	Normal	12	100	12	100	12	100	12	100
15thday of drug	Feaces	Normal	12	100	12	100	12	100	12	100
18th day of drug	Feaces	Normal	12	100	12	100	12	100	12	100
20th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
25th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
31st day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
35th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
37th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
40th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
44th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
47th day of drug	Feaces	Normal	12	100	12	100	12	100	11	100
49th day after drug	Feaces	Normal	12	100	12	100	12	100	11	100
51st day after drug	Feaces	Normal	12	100	12	100	12	100	11	100
60th day after drug	Feaces	Normal	6	100	6	100	6	100	5	100
			6	100	6	100	6	100	5	100

URINE OUTPUT

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Urine Output	Present	12	100	12	100	12	100	12	100
Base line	Urine Output	Present	12	100	12	100	12	100	12	100
1st day drug exposure	Urine Output	Present	12	100	12	100	12	100	12	100
4th day of drug exposure	Urine Output	Present	12	100	12	100	12	100	12	100
7th day of drug exposure	Urine Output	Present	12	100	12	100	12	100	12	100
11th day of drug	Urine Output	Present	12	100	12	100	12	100	12	100
15thday of drug	Urine Output	Present	12	100	12	100	12	100	12	100
18th day of drug	Urine Output	Present	12	100	12	100	12	100	12	100
20th day of drug	Urine Output	Present	12	100	12	100	12	100	11	100
22nd day of drug	Urine Output	Present	12	100	12	100	12	100	11	100
25th day of drug	Urine Output	Present	12	100	12	100	12	100	11	100
31st day of drug	Urine Output	Present	12	100	12	100	12	100	11	100
33rd day of drug	Urine Output	Present	12	100	12	100	12	100	11	100
35th day of drug	Urine Output	Present	12	100	12	100	12	100	11	100
37th day of drug	Urine Output	Present	12	100	12	100	12	100	11	100
40th day of drug	Urine Output	Present	12	100	12	100	12	100	11	100
42nd day of drug	Urine Output	Present	12	100	12	100	12	100	11	100
44th day of drug	Urine Output	Present	12	100	12	100	12	100	11	100
47th day of drug	Urine Output	Present	12	100	12	100	12	100	11	100
49th day after drug	Urine Output	Present	12	100	12	100	12	100	11	100
51st day after drug	Urine Output	Present	6	100	6	100	6	100	5	100
60th day after drug	Urine Output	Present	6	100	6	100	6	100	5	100

Colostrum Sub Chronic S D Rats FOB-CAGE SIDE EXAMINATION OF ANIMALS

URINE COLOUR

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Urine colour	Normal	12	100	12	100	12	100	12	100
Base line	Urine colour	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Urine colour	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Urine colour	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Urine colour	Normal	12	100	12	100	12	100	12	100
11th day of drug	Urine colour	Normal	12	100	12	100	12	100	12	100
15thday of drug exposure	Urine colour	Normal	12	100	12	100	12	100	12	100
18th day of drug	Urine colour	Normal	12	100	12	100	12	100	11	100
20th day of drug	Urine colour	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Urine colour	Normal	12	100	12	100	12	100	11	100
25th day of drug	Urine colour	Normal	12	100	12	100	12	100	11	100
31st day of drug	Urine colour	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Urine colour	Normal	12	100	12	100	12	100	11	100
35th day of drug	Urine colour	Normal	12	100	12	100	12	100	11	100
37th day of drug	Urine colour	Normal	12	100	12	100	12	100	11	100
40th day of drug	Urine colour	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Urine colour	Normal	12	100	12	100	12	100	11	100
44th day of drug	Urine colour	Normal	12	100	12	100	12	100	11	100
47th day of drug	Urine colour	Normal	12	100	12	100	12	100	11	100
49th day after drug	Urine colour	Normal	12	100	12	100	12	100	11	100
51st day after drug	Urine colour	Normal	6	100	6	100	6	100	5	100
60th day after drug	Urine colour	Normal	6	100	6	100	6	100	5	100

Colostrum Sub Chronic S D Rats FOB-CAGE SIDE EXAMINATION OF ANIMALS

BEHAVIOUR WHILE REMOVING FROM THE CAGE

		Test group							
		VC		TD		AD		HD	
		N	%	N	%	N	%	N	%
Randomized day	Animal is quiet & is easily removed	12	100	12	100	12	100	12	100
Base line	Animal is quiet & is easily removed	12	100	12	100	12	100	12	100
1st day drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	12	100
4th day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	12	100
7th day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	12	100
11th day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	12	100
15thday of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	12	100
18th day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
20th day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
22nd day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
25th day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
31st day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
33rd day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
35th day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
37th day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
40th day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
42nd day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
44th day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
47th day of drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
49th day after drug exposure	Animal is quiet & is easily removed	12	100	12	100	12	100	11	100
51st day after drug exposure	Animal is quiet & is easily removed	6	100	6	100	6	100	5	100
60th day after drug exposure	Animal is quiet & is easily removed	6	100	6	100	6	100	5	100

Colostrum Sub Chronic SD Rats FOB-PHYSICAL EXAMINATION OF ANIMALS

Hair coat

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Hair coat	Cleanly groomed	12	100	12	100	12	100	12	100
Base line	Hair coat	Cleanly groomed	12	100	12	100	12	100	12	100
1st day drug exposure	Hair coat	Cleanly groomed	12	100	12	100	12	100	12	100
4th day of drug exposure	Hair coat	Cleanly groomed	12	100	12	100	12	100	12	100
7th day of drug exposure	Hair coat	Cleanly groomed	12	100	12	100	12	100	12	100
11th day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	12	100
15thday of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	12	100
18th day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
20th day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
22nd day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
25th day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
31st day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
33rd day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
35th day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
37th day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
40th day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
42nd day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
44th day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
47th day of drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
49th day after drug	Hair coat	Cleanly groomed	12	100	12	100	12	100	11	100
51st day after drug	Hair coat	Cleanly groomed	6	100	6	100	6	100	5	100
60th day after drug	Hair coat	Cleanly groomed	6	100	6	100	6	100	5	100

Piloerection

		Test group							
		VC		TD		AD		HD	
		N	%	N	%	N	%	N	%
Randomized day	Absent	12	100	12	100	12	100	12	100
Base line	Absent	12	100	12	100	12	100	12	100
1st day drug exposure	Absent	12	100	12	100	12	100	12	100
4th day of drug exposure	Absent	12	100	12	100	12	100	12	100
7th day of drug exposure	Absent	12	100	12	100	12	100	12	100
11th day of drug	Absent	12	100	12	100	12	100	12	100
15thday of drug exposure	Absent	12	100	12	100	12	100	12	100
18th day of drug	Absent	12	100	12	100	12	100	11	100
20th day of drug	Absent	12	100	12	100	12	100	11	100
22nd day of drug	Absent	12	100	12	100	12	100	11	100
25th day of drug	Absent	12	100	12	100	12	100	11	100
31st day of drug	Absent	12	100	12	100	12	100	11	100
33rd day of drug	Absent	12	100	12	100	12	100	11	100
35th day of drug	Absent	12	100	12	100	12	100	11	100
37th day of drug	Absent	12	100	12	100	12	100	11	100
40th day of drug	Absent	12	100	12	100	12	100	11	100
42nd day of drug	Absent	12	100	12	100	12	100	11	100
44th day of drug	Absent	12	100	12	100	12	100	11	100
47th day of drug	Absent	12	100	12	100	12	100	11	100
49th day after drug	Absent	12	100	12	100	12	100	11	100
51st day after drug	Absent	6	100	6	100	6	100	5	100
60th day after drug	Absent	6	100	6	100	6	100	5	100

Colostrum Sub Chronic SD Rats FOB-PHYSICAL EXAMINATION OF ANIMALS

Respiration Rate

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Respiration Rate	Normal	12	100	12	100	12	100	12	100
Base line	Respiration Rate	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Respiration Rate	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Respiration Rate	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Respiration Rate	Normal	12	100	12	100	12	100	12	100
11th day of drug	Respiration Rate	Normal	12	100	12	100	12	100	12	100
15thday of drug exposure	Respiration Rate	Normal	12	100	12	100	12	100	12	100
18th day of drug	Respiration Rate	Normal	12	100	12	100	12	100	12	100
20th day of drug	Respiration Rate	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Respiration Rate	Normal	12	100	12	100	12	100	11	100
25th day of drug	Respiration Rate	Normal	12	100	12	100	12	100	11	100
31st day of drug	Respiration Rate	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Respiration Rate	Normal	12	100	12	100	12	100	11	100
35th day of drug	Respiration Rate	Normal	12	100	12	100	12	100	11	100
37th day of drug	Respiration Rate	Normal	12	100	12	100	12	100	11	100
40th day of drug	Respiration Rate	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Respiration Rate	Normal	12	100	12	100	12	100	11	100
44th day of drug	Respiration Rate	Normal	12	100	12	100	12	100	11	100
47th day of drug	Respiration Rate	Normal	12	100	12	100	12	100	11	100
49th day after drug	Respiration Rate	Normal	12	100	12	100	12	100	11	100
51st day after drug	Respiration Rate	Normal	6	100	6	100	6	100	5	100
60th day after drug	Respiration Rate	Normal	6	100	6	100	6	100	5	100

Respiration Character

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Respiration Character	Normal	12	100	12	100	12	100	12	100
Base line	Respiration Character	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Respiration Character	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Respiration Character	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Respiration Character	Normal	12	100	12	100	12	100	12	100
11th day of drug	Respiration Character	Normal	12	100	12	100	12	100	12	100
15thday of drug exposure	Respiration Character	Normal	12	100	12	100	12	100	12	100
18th day of drug	Respiration Character	Normal	12	100	12	100	12	100	12	100
20th day of drug	Respiration Character	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Respiration Character	Normal	12	100	12	100	12	100	11	100
25th day of drug	Respiration Character	Normal	12	100	12	100	12	100	11	100
31st day of drug	Respiration Character	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Respiration Character	Normal	12	100	12	100	12	100	11	100
35th day of drug	Respiration Character	Normal	12	100	12	100	12	100	11	100
37th day of drug	Respiration Character	Normal	12	100	12	100	12	100	11	100
40th day of drug	Respiration Character	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Respiration Character	Normal	12	100	12	100	12	100	11	100
44th day of drug	Respiration Character	Normal	12	100	12	100	12	100	11	100
47th day of drug	Respiration Character	Normal	12	100	12	100	12	100	11	100
49th day after drug	Respiration Character	Normal	12	100	12	100	12	100	11	100
51st day after drug	Respiration Character	Normal	6	100	6	100	6	100	5	100
60th day after drug	Respiration Character	Normal	6	100	6	100	6	100	5	100

Colostrum Sub Chronic SD Rats FOB-PHYSICAL EXAMINATION OF ANIMALS

Lacrimation

		Test group							
		VC		TD		AD		HD	
		N	%	N	%	N	%	N	%
Randomized day	Normal	12	100	12	100	12	100	12	100
Base line	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Normal	12	100	12	100	12	100	12	100
11th day of drug	Normal	12	100	12	100	12	100	12	100
15thday of drug exposure	Normal	12	100	12	100	12	100	12	100
18th day of drug	Normal	12	100	12	100	12	100	11	100
20th day of drug	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Normal	12	100	12	100	12	100	11	100
25th day of drug	Normal	12	100	12	100	12	100	11	100
31st day of drug	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Normal	12	100	12	100	12	100	11	100
35th day of drug	Normal	12	100	12	100	12	100	11	100
37th day of drug	Normal	12	100	12	100	12	100	11	100
40th day of drug	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Normal	12	100	12	100	12	100	11	100
44th day of drug	Normal	12	100	12	100	12	100	11	100
47th day of drug	Normal	12	100	12	100	12	100	11	100
49th day after drug	Normal	12	100	12	100	12	100	11	100
51st day after drug	Normal	6	100	6	100	6	100	5	100
60th day after drug	Normal	6	100	6	100	6	100	5	100

Salivation

		Test group							
		VC		TD		AD		HD	
		N	%	N	%	N	%	N	%
Randomized day	Normal	12	100	12	100	12	100	12	100
Base line	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Normal	12	100	12	100	12	100	12	100
11th day of drug	Normal	12	100	12	100	12	100	12	100
15thday of drug exposure	Normal	12	100	12	100	12	100	12	100
18th day of drug	Normal	12	100	12	100	12	100	11	100
20th day of drug	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Normal	12	100	12	100	12	100	11	100
25th day of drug	Normal	12	100	12	100	12	100	11	100
31st day of drug	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Normal	12	100	12	100	12	100	11	100
35th day of drug	Normal	12	100	12	100	12	100	11	100
37th day of drug	Normal	12	100	12	100	12	100	11	100
40th day of drug	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Normal	12	100	12	100	12	100	11	100
44th day of drug	Normal	12	100	12	100	12	100	11	100
47th day of drug	Normal	12	100	12	100	12	100	11	100
49th day after drug	Normal	12	100	12	100	12	100	11	100
51st day after drug	Normal	6	100	6	100	6	100	5	100
60th day after drug	Normal	6	100	6	100	6	100	5	100

Colostrum Sub Chronic SD Rats FOB-PHYSICAL EXAMINATION OF ANIMALS

Eye Lid(s)/Closure

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	12	100
Base line	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	12	100
1st day drug exposure	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	12	100
4th day of drug exposure	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	12	100
7th day of drug exposure	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	12	100
11th day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	12	100
15thday of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	12	100
18th day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	12	100
20th day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	11	100
22nd day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	11	100
25th day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	11	100
31st day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	11	100
33rd day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	11	100
35th day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	11	100
37th day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	11	100
40th day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	11	100
42nd day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	11	100
44th day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	11	100
47th day of drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	11	100
49th day after drug	Eye lid (s)closure	Eye lids open	12	100	12	100	12	100	11	100
51st day after drug	Eye lid (s)closure	Eye lids open	6	100	6	100	6	100	5	100
60th day after drug	Eye lid (s)closure	Eye lids open	6	100	6	100	6	100	5	100

Eye Prominance

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Eye Prominance	Normal	12	100	12	100	12	100	12	100
Base line	Eye Prominance	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Eye Prominance	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Eye Prominance	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Eye Prominance	Normal	12	100	12	100	12	100	12	100
11th day of drug	Eye Prominance	Normal	12	100	12	100	12	100	12	100
15thday of drug exposure	Eye Prominance	Normal	12	100	12	100	12	100	12	100
18th day of drug	Eye Prominance	Normal	12	100	12	100	12	100	12	100
20th day of drug	Eye Prominance	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Eye Prominance	Normal	12	100	12	100	12	100	11	100
25th day of drug	Eye Prominance	Normal	12	100	12	100	12	100	11	100
31st day of drug	Eye Prominance	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Eye Prominance	Normal	12	100	12	100	12	100	11	100
35th day of drug	Eye Prominance	Normal	12	100	12	100	12	100	11	100
37th day of drug	Eye Prominance	Normal	12	100	12	100	12	100	11	100
40th day of drug	Eye Prominance	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Eye Prominance	Normal	12	100	12	100	12	100	11	100
44th day of drug	Eye Prominance	Normal	12	100	12	100	12	100	11	100
47th day of drug	Eye Prominance	Normal	12	100	12	100	12	100	11	100
49th day after drug	Eye Prominance	Normal	12	100	12	100	12	100	11	100
51st day after drug	Eye Prominance	Normal	6	100	6	100	6	100	5	100
60th day after drug	Eye Prominance	Normal	6	100	6	100	6	100	5	100

Colostrum Sub Chronic SD Rats FOB-PHYSICAL EXAMINATION OF ANIMALS

Convulsions

		Test group							
		VC		TD		AD		HD	
		N	%	N	%	N	%	N	%
Randomized day	Normal	12	100	12	100	12	100	12	100
Base line	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Normal	12	100	12	100	12	100	12	100
11th day of drug	Normal	12	100	12	100	12	100	12	100
15thday of drug exposure	Normal	12	100	12	100	12	100	12	100
18th day of drug	Normal	12	100	12	100	12	100	12	100
20th day of drug	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Normal	12	100	12	100	12	100	11	100
25th day of drug	Normal	12	100	12	100	12	100	11	100
31st day of drug	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Normal	12	100	12	100	12	100	11	100
35th day of drug	Normal	12	100	12	100	12	100	11	100
37th day of drug	Normal	12	100	12	100	12	100	11	100
40th day of drug	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Normal	12	100	12	100	12	100	11	100
44th day of drug	Normal	12	100	12	100	12	100	11	100
47th day of drug	Normal	12	100	12	100	12	100	11	100
49th day after drug	Normal	12	100	12	100	12	100	11	100
51st day after drug	Normal	6	100	6	100	6	100	5	100
60th day after drug	Normal	6	100	6	100	6	100	5	100

Biting habit

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Biting habit	Absent	12	100	12	100	12	100	12	100
Base line	Biting habit	Absent	12	100	12	100	12	100	12	100
1st day drug exposure	Biting habit	Absent	12	100	12	100	12	100	12	100
4th day of drug exposure	Biting habit	Absent	12	100	12	100	12	100	12	100
7th day of drug exposure	Biting habit	Absent	12	100	12	100	12	100	12	100
11th day of drug	Biting habit	Absent	12	100	12	100	12	100	12	100
15thday of drug exposure	Biting habit	Absent	12	100	12	100	12	100	12	100
18th day of drug	Biting habit	Absent	12	100	12	100	12	100	12	100
20th day of drug	Biting habit	Absent	12	100	12	100	12	100	11	100
22nd day of drug	Biting habit	Absent	12	100	12	100	12	100	11	100
25th day of drug	Biting habit	Absent	12	100	12	100	12	100	11	100
31st day of drug	Biting habit	Absent	12	100	12	100	12	100	11	100
33rd day of drug	Biting habit	Absent	12	100	12	100	12	100	11	100
35th day of drug	Biting habit	Absent	12	100	12	100	12	100	11	100
37th day of drug	Biting habit	Absent	12	100	12	100	12	100	11	100
40th day of drug	Biting habit	Absent	12	100	12	100	12	100	11	100
42nd day of drug	Biting habit	Absent	12	100	12	100	12	100	11	100
44th day of drug	Biting habit	Absent	12	100	12	100	12	100	11	100
47th day of drug	Biting habit	Absent	12	100	12	100	12	100	11	100
49th day after drug	Biting habit	Absent	12	100	12	100	12	100	11	100
51st day after drug	Biting habit	Absent	6	100	6	100	6	100	5	100
60th day after drug	Biting habit	Absent	6	100	6	100	6	100	5	100

Colostrum Sub Chronic SD Rats FOB-PHYSICAL EXAMINATION OF ANIMALS

Tremors

		Test group							
		VC		TD		AD		HD	
		N	%	N	%	N	%	N	%
Randomized day	Absent	12	100	12	100	12	100	12	100
Base line	Absent	12	100	12	100	12	100	12	100
1st day drug exposure	Absent	12	100	12	100	12	100	12	100
4th day of drug exposure	Absent	12	100	12	100	12	100	12	100
7th day of drug exposure	Absent	12	100	12	100	12	100	12	100
11th day of drug	Absent	12	100	12	100	12	100	12	100
15thday of drug exposure	Absent	12	100	12	100	12	100	12	100
18th day of drug	Absent	12	100	12	100	12	100	11	100
20th day of drug	Absent	12	100	12	100	12	100	11	100
22nd day of drug	Absent	12	100	12	100	12	100	11	100
25th day of drug	Absent	12	100	12	100	12	100	11	100
31st day of drug	Absent	12	100	12	100	12	100	11	100
33rd day of drug	Absent	12	100	12	100	12	100	11	100
35th day of drug	Absent	12	100	12	100	12	100	11	100
37th day of drug	Absent	12	100	12	100	12	100	11	100
40th day of drug	Absent	12	100	12	100	12	100	11	100
42nd day of drug	Absent	12	100	12	100	12	100	11	100
44th day of drug	Absent	12	100	12	100	12	100	11	100
47th day of drug	Absent	12	100	12	100	12	100	11	100
49th day after drug	Absent	12	100	12	100	12	100	11	100
51st day after drug	Absent	6	100	6	100	6	100	5	100
60th day after drug	Absent	6	100	6	100	6	100	5	100

Colostrum Sub Chronic SD Rats FOB-NEUROLOGICAL EXAMINATION OF ANIMALS

Locomotor Activity

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Locomotor activity	Normal	12	100	12	100	12	100	12	100
Base line	Locomotor activity	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Locomotor activity	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Locomotor activity	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Locomotor activity	Normal	12	100	12	100	12	100	12	100
11th day of drug	Locomotor activity	Normal	12	100	12	100	12	100	12	100
15thday of drug exposure	Locomotor activity	Normal	12	100	12	100	12	100	12	100
18th day of drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
20th day of drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
25th day of drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
31st day of drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
35th day of drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
37th day of drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
40th day of drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
44th day of drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
47th day of drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
49th day after drug	Locomotor activity	Normal	12	100	12	100	12	100	11	100
51st day after drug	Locomotor activity	Normal	6	100	6	100	6	100	5	100
60th day after drug	Locomotor activity	Normal	6	100	6	100	6	100	5	100

Rearingactivity

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Rearing activity	Normal	12	100	12	100	12	100	12	100
Base line	Rearing activity	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Rearing activity	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Rearing activity	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Rearing activity	Normal	12	100	12	100	12	100	12	100
11th day of drug	Rearing activity	Normal	12	100	12	100	12	100	12	100
15thday of drug exposure	Rearing activity	Normal	12	100	12	100	12	100	12	100
18th day of drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
20th day of drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
25th day of drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
31st day of drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
35th day of drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
37th day of drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
40th day of drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
44th day of drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
47th day of drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
49th day after drug	Rearing activity	Normal	12	100	12	100	12	100	11	100
51st day after drug	Rearing activity	Normal	6	100	6	100	6	100	5	100
60th day after drug	Rearing activity	Normal	6	100	6	100	6	100	5	100

Colostrum Sub Chronic SD Rats FOB-NEUROLOGICAL EXAMINATION OF ANIMALS

Tailelevation

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Tail elevation	Normal	12	100	12	100	12	100	12	100
Base line	Tail elevation	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Tail elevation	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Tail elevation	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Tail elevation	Normal	12	100	12	100	12	100	12	100
11th day of drug	Tail elevation	Normal	12	100	12	100	12	100	12	100
15thday of drug	Tail elevation	Normal	12	100	12	100	12	100	12	100
18th day of drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
20th day of drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
25th day of drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
31st day of drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
35th day of drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
37th day of drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
40th day of drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
44th day of drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
47th day of drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
49th day after drug	Tail elevation	Normal	12	100	12	100	12	100	11	100
51st day after drug	Tail elevation	Normal	6	100	6	100	6	100	5	100
60th day after drug	Tail elevation	Normal	6	100	6	100	6	100	5	100

Static limb position

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Static limb	Limbs Held Normal	12	100	12	100	12	100	12	100
Base line	Static limb	Limbs Held Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Static limb	Limbs Held Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Static limb	Limbs Held Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Static limb	Limbs Held Normal	12	100	12	100	12	100	12	100
11th day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	12	100
15thday of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	12	100
18th day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
20th day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
22nd day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
25th day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
31st day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
33rd day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
35th day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
37th day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
40th day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
42nd day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
44th day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
47th day of drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
49th day after drug	Static limb	Limbs Held Normal	12	100	12	100	12	100	11	100
51st day after drug	Static limb	Limbs Held Normal	6	100	6	100	6	100	5	100
60th day after drug	Static limb	Limbs Held Normal	6	100	6	100	6	100	5	100

Colostrum Sub Chronic SD Rats FOB-NEUROLOGICAL EXAMINATION OF ANIMALS

Abnormal gait

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Abnormal gait	None	12	100	12	100	12	100	12	100
Base line	Abnormal gait	None	12	100	12	100	12	100	12	100
1st day drug exposure	Abnormal gait	None	12	100	12	100	12	100	12	100
4th day of drug exposure	Abnormal gait	None	12	100	12	100	12	100	12	100
7th day of drug exposure	Abnormal gait	None	12	100	12	100	12	100	12	100
11th day of drug	Abnormal gait	None	12	100	12	100	12	100	12	100
15thday of drug exposure	Abnormal gait	None	12	100	12	100	12	100	12	100
18th day of drug	Abnormal gait	None	12	100	12	100	12	100	11	100
20th day of drug	Abnormal gait	None	12	100	12	100	12	100	11	100
22nd day of drug	Abnormal gait	None	12	100	12	100	12	100	11	100
25th day of drug	Abnormal gait	None	12	100	12	100	12	100	11	100
31st day of drug	Abnormal gait	None	12	100	12	100	12	100	11	100
33rd day of drug	Abnormal gait	None	12	100	12	100	12	100	11	100
35th day of drug	Abnormal gait	None	12	100	12	100	12	100	11	100
37th day of drug	Abnormal gait	None	12	100	12	100	12	100	11	100
40th day of drug	Abnormal gait	None	12	100	12	100	12	100	11	100
42nd day of drug	Abnormal gait	None	12	100	12	100	12	100	11	100
44th day of drug	Abnormal gait	None	12	100	12	100	12	100	11	100
47th day of drug	Abnormal gait	None	12	100	12	100	12	100	11	100
49th day after drug	Abnormal gait	None	12	100	12	100	12	100	11	100
51st day after drug	Abnormal gait	None	6	100	6	100	6	100	5	100
60th day after drug	Abnormal gait	None	6	100	6	100	6	100	5	100

Ataxic gait

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Ataxic gait	None	12	100	12	100	12	100	12	100
Base line	Ataxic gait	None	12	100	12	100	12	100	12	100
1st day drug exposure	Ataxic gait	None	12	100	12	100	12	100	12	100
4th day of drug exposure	Ataxic gait	None	12	100	12	100	12	100	12	100
7th day of drug exposure	Ataxic gait	None	12	100	12	100	12	100	12	100
11th day of drug	Ataxic gait	None	12	100	12	100	12	100	12	100
15thday of drug	Ataxic gait	None	12	100	12	100	12	100	12	100
18th day of drug	Ataxic gait	None	12	100	12	100	12	100	11	100
20th day of drug	Ataxic gait	None	12	100	12	100	12	100	11	100
22nd day of drug	Ataxic gait	None	12	100	12	100	12	100	11	100
25th day of drug	Ataxic gait	None	12	100	12	100	12	100	11	100
31st day of drug	Ataxic gait	None	12	100	12	100	12	100	11	100
33rd day of drug	Ataxic gait	None	12	100	12	100	12	100	11	100
35th day of drug	Ataxic gait	None	12	100	12	100	12	100	11	100
37th day of drug	Ataxic gait	None	12	100	12	100	12	100	11	100
40th day of drug	Ataxic gait	None	12	100	12	100	12	100	11	100
42nd day of drug	Ataxic gait	None	12	100	12	100	12	100	11	100
44th day of drug	Ataxic gait	None	12	100	12	100	12	100	11	100
47th day of drug	Ataxic gait	None	12	100	12	100	12	100	11	100
49th day after drug	Ataxic gait	None	12	100	12	100	12	100	11	100
51st day after drug	Ataxic gait	None	6	100	6	100	6	100	5	100
60th day after drug	Ataxic gait	None	6	100	6	100	6	100	5	100

Colostrum Sub Chronic SD Rats FOB-NEUROLOGICAL EXAMINATION OF ANIMALS

Head position

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Head position	Normal	12	100	12	100	12	100	12	100
Base line	Head position	Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Head position	Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Head position	Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Head position	Normal	12	100	12	100	12	100	12	100
11th day of drug	Head position	Normal	12	100	12	100	12	100	12	100
15thday of drug	Head position	Normal	12	100	12	100	12	100	12	100
18th day of drug	Head position	Normal	12	100	12	100	12	100	12	100
20th day of drug	Head position	Normal	12	100	12	100	12	100	11	100
22nd day of drug	Head position	Normal	12	100	12	100	12	100	11	100
25th day of drug	Head position	Normal	12	100	12	100	12	100	11	100
31st day of drug	Head position	Normal	12	100	12	100	12	100	11	100
33rd day of drug	Head position	Normal	12	100	12	100	12	100	11	100
35th day of drug	Head position	Normal	12	100	12	100	12	100	11	100
37th day of drug	Head position	Normal	12	100	12	100	12	100	11	100
40th day of drug	Head position	Normal	12	100	12	100	12	100	11	100
42nd day of drug	Head position	Normal	12	100	12	100	12	100	11	100
44th day of drug	Head position	Normal	12	100	12	100	12	100	11	100
47th day of drug	Head position	Normal	12	100	12	100	12	100	11	100
49th day after drug	Head position	Normal	12	100	12	100	12	100	11	100
51st day after drug	Head position	Normal	6	100	6	100	6	100	5	100
60th day after drug	Head position	Normal	6	100	6	100	6	100	5	100

Colostrum Sub Chronic SD Rats FOB-NEUROLOGICAL EXAMINATION OF ANIMALS

Pinna touch response

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	12	100
Base line	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	12	100
1st day drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	12	100
4th day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	12	100
7th day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	12	100
11th day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	12	100
15thday of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	12	100
18th day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	12	100
20th day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	11	100
22nd day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	11	100
25th day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	11	100
31st day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	11	100
33rd day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	11	100
35th day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	11	100
37th day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	11	100
40th day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	11	100
42nd day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	11	100
44th day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	11	100
47th day of drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	11	100
49th day after drug exposure	Pinna touch response	Auricle twitches or Normal	12	100	12	100	12	100	11	100
51st day after drug exposure	Pinna touch response	Auricle twitches or Normal	6	100	6	100	6	100	5	100
60th day after drug exposure	Pinna touch response	Auricle twitches or Normal	6	100	6	100	6	100	5	100

Colostrum Sub Chronic S D Rats FOB-ALLERGENICITY

Skin Reaction

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Skin reaction	Absent	12	100	12	100	12	100	12	100
Base line	Skin reaction	Absent	12	100	12	100	12	100	12	100
1st day drug exposure	Skin reaction	Absent	12	100	12	100	12	100	12	100
4th day of drug exposure	Skin reaction	Absent	12	100	12	100	12	100	12	100
7th day of drug exposure	Skin reaction	Absent	12	100	12	100	12	100	12	100
11th day of drug	Skin reaction	Absent	12	100	12	100	12	100	12	100
15thday of drug	Skin reaction	Absent	12	100	12	100	12	100	12	100
18th day of drug	Skin reaction	Absent	12	100	12	100	12	100	12	100
20th day of drug	Skin reaction	Absent	12	100	12	100	12	100	11	100
22nd day of drug	Skin reaction	Absent	12	100	12	100	12	100	11	100
25th day of drug	Skin reaction	Absent	12	100	12	100	12	100	11	100
31st day of drug	Skin reaction	Absent	12	100	12	100	12	100	11	100
33rd day of drug	Skin reaction	Absent	12	100	12	100	12	100	11	100
35th day of drug	Skin reaction	Absent	12	100	12	100	12	100	11	100
37th day of drug	Skin reaction	Absent	12	100	12	100	12	100	11	100
40th day of drug	Skin reaction	Absent	12	100	12	100	12	100	11	100
42nd day of drug	Skin reaction	Absent	12	100	12	100	12	100	11	100
44th day of drug	Skin reaction	Absent	12	100	12	100	12	100	11	100
47th day of drug	Skin reaction	Absent	12	100	12	100	12	100	11	100
49th day after drug	Skin reaction	Absent	12	100	12	100	12	100	11	100
51st day after drug	Skin reaction	Absent	6	100	6	100	6	100	5	100
60th day after drug	Skin reaction	Absent	6	100	6	100	6	100	5	100

Hairloss

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Hair loss	Absent	12	100	12	100	12	100	12	100
Base line	Hair loss	Absent	12	100	12	100	12	100	12	100
1st day drug exposure	Hair loss	Absent	12	100	12	100	12	100	12	100
4th day of drug exposure	Hair loss	Absent	12	100	12	100	12	100	12	100
7th day of drug exposure	Hair loss	Absent	12	100	12	100	12	100	12	100
11th day of drug	Hair loss	Absent	12	100	12	100	12	100	12	100
15thday of drug	Hair loss	Absent	12	100	12	100	12	100	12	100
18th day of drug	Hair loss	Absent	12	100	12	100	12	100	11	100
20th day of drug	Hair loss	Absent	12	100	12	100	12	100	11	100
22nd day of drug	Hair loss	Absent	12	100	12	100	12	100	11	100
25th day of drug	Hair loss	Absent	12	100	12	100	12	100	11	100
31st day of drug	Hair loss	Absent	12	100	12	100	12	100	11	100
33rd day of drug	Hair loss	Absent	12	100	12	100	12	100	11	100
35th day of drug	Hair loss	Absent	12	100	12	100	12	100	11	100
37th day of drug	Hair loss	Absent	12	100	12	100	12	100	11	100
40th day of drug	Hair loss	Absent	12	100	12	100	12	100	11	100
42nd day of drug	Hair loss	Absent	12	100	12	100	12	100	11	100
44th day of drug	Hair loss	Absent	12	100	12	100	12	100	11	100
47th day of drug	Hair loss	Absent	12	100	12	100	12	100	11	100
49th day after drug	Hair loss	Absent	12	100	12	100	12	100	11	100
51st day after drug	Hair loss	Absent	6	100	6	100	6	100	5	100
60th day after drug	Hair loss	Absent	6	100	6	100	6	100	5	100

Colostrum Sub Chronic S D Rats FOB-ALLERGENICITY

Watering and Congestion of Eyes

			Test group							
			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Randomized day	Watering and Congestion of Eyes	Absent	12	100	12	100	12	100	12	100
Base line	Watering and	Absent	12	100	12	100	12	100	12	100
1st day drug exposure	Watering and	Absent	12	100	12	100	12	100	12	100
4th day of drug exposure	Watering and	Absent	12	100	12	100	12	100	12	100
7th day of drug exposure	Watering and	Absent	12	100	12	100	12	100	12	100
11th day of drug	Watering and	Absent	12	100	12	100	12	100	12	100
15thday of drug	Watering and	Absent	12	100	12	100	12	100	12	100
18th day of drug	Watering and	Absent	12	100	12	100	12	100	11	100
20th day of drug	Watering and	Absent	12	100	12	100	12	100	11	100
22nd day of drug	Watering and	Absent	12	100	12	100	12	100	11	100
25th day of drug	Watering and	Absent	12	100	12	100	12	100	11	100
31st day of drug	Watering and	Absent	12	100	12	100	12	100	11	100
33rd day of drug	Watering and	Absent	12	100	12	100	12	100	11	100
35th day of drug	Watering and	Absent	12	100	12	100	12	100	11	100
37th day of drug	Watering and	Absent	12	100	12	100	12	100	11	100
40th day of drug	Watering and	Absent	12	100	12	100	12	100	11	100
42nd day of drug	Watering and	Absent	12	100	12	100	12	100	11	100
44th day of drug	Watering and	Absent	12	100	12	100	12	100	11	100
47th day of drug	Watering and	Absent	12	100	12	100	12	100	11	100
49th day after drug	Watering and	Absent	12	100	12	100	12	100	11	100
51st day after drug	Watering and	Absent	6	100	6	100	6	100	5	100
60th day after drug	Watering and	Absent	6	100	6	100	6	100	5	100

Colostrum Sub Chronic Sprawley Rats URINE EXAMINATION

Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Descriptives-Colostrum Sub Chronic Sprawley Rats URINE EXAMINATION[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Specific Gravity	VC	6	1.02917	.002041	.000833	1.02702	1.03131	1.025	1.030
	TD	6	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	AD	6	1.05000	.076485	.031225	.96973	1.13027	1.010	1.205
	HD	6	1.02500	.008367	.003416	1.01622	1.03378	1.010	1.030
	Total	24	1.03354	.037227	.007599	1.01782	1.04926	1.010	1.205
pH	VC	6	6.3333	.60553	.24721	5.6979	6.9688	5.50	7.00
	TD	6	6.0833	.58452	.23863	5.4699	6.6968	5.50	7.00
	AD	6	7.1667	1.50555	.61464	5.5867	8.7466	5.00	9.00
	HD	6	6.6667	1.32916	.54263	5.2718	8.0615	5.50	9.00
	Total	24	6.5625	1.09656	.22383	6.0995	7.0255	5.00	9.00
Urobilinogen E.U./dL	VC	6	3.33	3.615	1.476	-.46	7.13	1	8
	TD	6	2.17	2.858	1.167	-.83	5.17	1	8
	AD	6	2.53	2.984	1.218	-.60	5.67	0	8
	HD	6	2.33	2.805	1.145	-.61	5.28	1	8
	Total	24	2.59	2.911	.594	1.36	3.82	0	8

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Specific Gravity	5.475	3	20	.007
pH	2.269	3	20	.112
Urobilinogen E.U./dL	.683	3	20	.573

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Specific Gravity	Between Groups	.002	3	.001	.507	.682
	Within Groups	.030	20	.001		
	Total	.032	23			
pH	Between Groups	3.948	3	1.316	1.110	.368
	Within Groups	23.708	20	1.185		
	Total	27.656	23			
Urobilinogen E.U./dL	Between Groups	4.805	3	1.602	.169	.916
	Within Groups	190.033	20	9.502		
	Total	194.838	23			

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Colostrum Sub Chronic Sprawley Rats URINE EXAMINATION

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) testgroup	(J) testgroup	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Specific Gravity	TD	VC	.000833	.022219	1.000	-.05561	.05728
	AD	VC	.020833	.022219	.675	-.03561	.07728
	HD	VC	-.004167	.022219	.995	-.06061	.05228
pH	TD	VC	-.25000	.62860	.959	-1.8469	1.3469
	AD	VC	.83333	.62860	.425	-.7635	2.4302
	HD	VC	.33333	.62860	.912	-1.2635	1.9302
Urobilinogen E.U./dL	TD	VC	-1.167	1.780	.850	-5.69	3.35
	AD	VC	-.800	1.780	.943	-5.32	3.72
	HD	VC	-1.000	1.780	.897	-5.52	3.52

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Colostrum Sub Chronic Sprawley Rats URINE EXAMINATION

NPar Tests

Kruskal-Wallis Test

Ranks[a]

	testgroup	N	Mean Rank
Specific Gravity	VC	6	13.50
	TD	6	15.00
	AD	6	10.33
	HD	6	11.17
	Total	24	

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Test Statistics[a,b,c]

	Specific Gravity
Chi-Square	2.559
df	3
Asymp. Sig.	.465

a. Kruskal Wallis Test

b. Grouping Variable: testgroup

c. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Mann-Whitney Test

Ranks[a]

	testgroup	N	Mean Rank	Sum of Ranks
Specific Gravity	VC	6	6.00	36.00
	TD	6	7.00	42.00
	Total	12		

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Test Statistics[b,c]

	Specific Gravity
Mann-Whitney U	15.000
Wilcoxon W	36.000
Z	-1.000
Asymp. Sig. (2-tailed)	.317
Exact Sig. [2*(1-tailed Sig.)]	.699[a]

a. Not corrected for ties.

b. Grouping Variable: testgroup

c. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Colostrum Sub Chronic Sprawley Rats URINE EXAMINATION

Ranks[a]

	testgroup	N	Mean Rank	Sum of Ranks
Specific Gravity	VC	6	7.33	44.00
	AD	6	5.67	34.00
	Total	12		

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Test Statistics[b,c]

	Specific Gravity
Mann-Whitney U	13.000
Wilcoxon W	34.000
Z	-.895
Asymp. Sig. (2-tailed)	.371
Exact Sig. [2*(1-tailed Sig.)]	.485[a]

a. Not corrected for ties.

b. Grouping Variable: testgroup

c. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Ranks[a]

	testgroup	N	Mean Rank	Sum of Ranks
Specific Gravity	VC	6	7.17	43.00
	HD	6	5.83	35.00
	Total	12		

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Test Statistics[b,c]

	Specific Gravity
Mann-Whitney U	14.000
Wilcoxon W	35.000
Z	-.841
Asymp. Sig. (2-tailed)	.400
Exact Sig. [2*(1-tailed Sig.)]	.589[a]

a. Not corrected for ties.

b. Grouping Variable: testgroup

c. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Colostrum Sub Chronic Sprawley Rats URINE EXAMINATION

Urine exposure = Pre Urine analysis, Euthanization = Mid Term, SEX = Male

Descriptives-Colostrum Sub Chronic Sprawley MALE Rats URINE EXAMINATION[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Specific Gravity	VC	3	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	TD	3	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	AD	3	1.02333	.011547	.006667	.99465	1.05202	1.010	1.030
	HD	3	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	Total	12	1.02833	.005774	.001667	1.02467	1.03200	1.010	1.030
pH	VC	3	6.0000	.50000	.28868	4.7579	7.2421	5.50	6.50
	TD	3	6.0000	.86603	.50000	3.8487	8.1513	5.50	7.00
	AD	3	6.5000	1.80278	1.04083	2.0217	10.9783	5.00	8.50
	HD	3	5.6667	.28868	.16667	4.9496	6.3838	5.50	6.00
	Total	12	6.0417	.94046	.27149	5.4441	6.6392	5.00	8.50
Urobilinogen E.U./dL	VC	3	5.67	4.041	2.333	-4.37	15.71	1	8
	TD	3	1.00	.000	.000	1.00	1.00	1	1
	AD	3	2.00	1.732	1.000	-2.30	6.30	1	4
	HD	3	3.33	4.041	2.333	-6.71	13.37	1	8
	Total	12	3.00	3.133	.905	1.01	4.99	1	8

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term, SEX = Male

Urine exposure = Pre Urine analysis, Euthanization = Mid Term, SEX = Female

Descriptives-Colostrum Sub Chronic Sprawley FEMALE Rats URINE EXAMINATION[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Specific Gravity	VC	3	1.02833	.002887	.001667	1.02116	1.03550	1.025	1.030
	TD	3	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	AD	3	1.07667	.111168	.064183	.80051	1.35282	1.010	1.205
	HD	3	1.02000	.010000	.005774	.99516	1.04484	1.010	1.030
	Total	12	1.03875	.052963	.015289	1.00510	1.07240	1.010	1.205
pH	VC	3	6.6667	.57735	.33333	5.2324	8.1009	6.00	7.00
	TD	3	6.1667	.28868	.16667	5.4496	6.8838	6.00	6.50
	AD	3	7.8333	1.04083	.60093	5.2478	10.4189	7.00	9.00
	HD	3	7.6667	1.15470	.66667	4.7982	10.5351	7.00	9.00
	Total	12	7.0833	1.01876	.29409	6.4360	7.7306	6.00	9.00
Urobilinogen E.U./dL	VC	3	1.00	.000	.000	1.00	1.00	1	1
	TD	3	3.33	4.041	2.333	-6.71	13.37	1	8
	AD	3	3.07	4.291	2.477	-7.59	13.73	0	8
	HD	3	1.33	.577	.333	-.10	2.77	1	2
	Total	12	2.18	2.744	.792	.44	3.93	0	8

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term, SEX = Female

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

Urine exposure = Post - Mid term Urine analysis

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Specific Gravity	VC	6	1.16250	.150723	.061533	1.00433	1.32067	1.015	1.300
	TD	6	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	AD	6	1.02750	.002739	.001118	1.02463	1.03037	1.025	1.030
	HD	6	1.02333	.008756	.003575	1.01414	1.03252	1.010	1.030
	Total	24	1.06083	.092509	.018883	1.02177	1.09990	1.010	1.300
pH	VC	6	6.6667	1.08012	.44096	5.5331	7.8002	5.50	8.50
	TD	6	6.3333	.60553	.24721	5.6979	6.9688	5.50	7.00
	AD	6	6.7500	.52440	.21409	6.1997	7.3003	6.00	7.50
	HD	6	7.1667	1.12546	.45947	5.9856	8.3478	6.00	8.50
	Total	24	6.7292	.87202	.17800	6.3609	7.0974	5.50	8.50
Urobilinogen E.U./dL	VC	6	.73	.413	.169	.30	1.17	0	1
	TD	6	.73	.413	.169	.30	1.17	0	1
	AD	6	.87	.327	.133	.52	1.21	0	1
	HD	6	.60	.438	.179	.14	1.06	0	1
	Total	24	.73	.385	.079	.57	.90	0	1

a. Urine exposure = Post - Mid term Urine analysis

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Specific Gravity	2458.782	3	20	.000
pH	1.704	3	20	.198
Urobilinogen E.U./dL	1.667	3	20	.206

a. Urine exposure = Post - Mid term Urine analysis

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Specific Gravity	Between Groups	.083	3	.028	4.843	.011
	Within Groups	.114	20	.006		
	Total	.197	23			
pH	Between Groups	2.115	3	.705	.917	.451
	Within Groups	15.375	20	.769		
	Total	17.490	23			
Urobilinogen E.U./dL	Between Groups	.213	3	.071	.444	.724
	Within Groups	3.200	20	.160		
	Total	3.413	23			

a. Urine exposure = Post - Mid term Urine analysis

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) testgroup	(J) testgroup	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Specific Gravity	TD	VC	-.132500*	.043591	.017	-.24324	-.02176
	AD	VC	-.135000*	.043591	.015	-.24574	-.02426
	HD	VC	-.139167*	.043591	.012	-.24990	-.02843
pH	TD	VC	-.33333	.50621	.849	-1.6193	.9526
	AD	VC	.08333	.50621	.997	-1.2026	1.3693
	HD	VC	.50000	.50621	.641	-.7860	1.7860
Urobilinogen E.U./dL	TD	VC	.000	.231	1.000	-.59	.59
	AD	VC	.133	.231	.890	-.45	.72
	HD	VC	-.133	.231	.890	-.72	.45

*. The mean difference is significant at the .05 level.

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. Urine exposure = Post - Mid term Urine analysis

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

NPar Tests

Kruskal-Wallis Test

Ranks[a]

	testgroup	N	Mean Rank
Specific Gravity	VC	6	16.75
	TD	6	14.50
	AD	6	10.00
	HD	6	8.75
	Total	24	

a. Urine exposure = Post - Mid term Urine analysis

Test Statistics[a,b,c]

	Specific Gravity
Chi-Square	6.391
df	3
Asymp. Sig.	.094

a. Kruskal Wallis Test

b. Grouping Variable: testgroup

c. Urine exposure = Post - Mid term Urine analysis

Mann-Whitney Test

Ranks[a]

	testgroup	N	Mean Rank	Sum of Ranks
Specific Gravity	VC	6	7.50	45.00
	TD	6	5.50	33.00
	Total	12		

a. Urine exposure = Post - Mid term Urine analysis

Test Statistics[b,c]

	Specific Gravity
Mann-Whitney U	12.000
Wilcoxon W	33.000
Z	-1.155
Asymp. Sig. (2-tailed)	.248
Exact Sig. [2*(1-tailed Sig.)]	.394[a]

a. Not corrected for ties.

b. Grouping Variable: testgroup

c. Urine exposure = Post - Mid term Urine analysis

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

Ranks[a]

	testgroup	N	Mean Rank	Sum of Ranks
Specific Gravity	VC	6	8.00	48.00
	AD	6	5.00	30.00
	Total	12		

a. Urine exposure = Post - Mid term Urine analysis

Test Statistics[b,c]

	Specific Gravity
Mann-Whitney U	9.000
Wilcoxon W	30.000
Z	-1.517
Asymp. Sig. (2-tailed)	.129
Exact Sig. [2*(1-tailed Sig.)]	.180[a]

a. Not corrected for ties.

b. Grouping Variable: testgroup

c. Urine exposure = Post - Mid term Urine analysis

Ranks[a]

	testgroup	N	Mean Rank	Sum of Ranks
Specific Gravity	VC	6	8.25	49.50
	HD	6	4.75	28.50
	Total	12		

a. Urine exposure = Post - Mid term Urine analysis

Test Statistics[b,c]

	Specific Gravity
Mann-Whitney U	7.500
Wilcoxon W	28.500
Z	-1.760
Asymp. Sig. (2-tailed)	.078
Exact Sig. [2*(1-tailed Sig.)]	.093[a]

a. Not corrected for ties.

b. Grouping Variable: testgroup

c. Urine exposure = Post - Mid term Urine analysis

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAWLEY MALE RATS URINE ANALYSIS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Specific Gravity	VC	3	1.30000	.000000	.000000	1.30000	1.30000	1.300	1.300
	TD	3	1.03000*	.000000	.000000	1.03000	1.03000	1.030	1.030
	AD	3	1.02833*	.002887	.001667	1.02116	1.03550	1.025	1.030
	HD	3	1.02833*	.002887	.001667	1.02116	1.03550	1.025	1.030
	Total	12	1.09667	.122629	.035400	1.01875	1.17458	1.025	1.300
pH	VC	3	6.6667	.57735	.33333	5.2324	8.1009	6.00	7.00
	TD	3	6.6667	.57735	.33333	5.2324	8.1009	6.00	7.00
	AD	3	6.6667	.76376	.44096	4.7694	8.5640	6.00	7.50
	HD	3	6.3333	.57735	.33333	4.8991	7.7676	6.00	7.00
	Total	12	6.5833	.55732	.16088	6.2292	6.9374	6.00	7.50
Urobilinogen E.U./dL	VC	3	.47	.462	.267	-.68	1.61	0	1
	TD	3	.47	.462	.267	-.68	1.61	0	1
	AD	3	.73	.462	.267	-.41	1.88	0	1
	HD	3	.20	.000	.000	.20	.20	0	0
	Total	12	.47	.394	.114	.22	.72	0	1

*. Significantly different from vehicle control at P<0.05

a. Urine exposure = Post - Mid term Urine analysis

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAWLEY FEMALE RATS URINE ANALYSIS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Specific Gravity	VC	3	1.02500	.008660	.005000	1.00349	1.04651	1.015	1.030
	TD	3	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	AD	3	1.02667	.002887	.001667	1.01950	1.03384	1.025	1.030
	HD	3	1.01833	.010408	.006009	.99248	1.04419	1.010	1.030
	Total	12	1.02500	.007385	.002132	1.02031	1.02969	1.010	1.030
pH	VC	3	6.6667	1.60728	.92796	2.6740	10.6594	5.50	8.50
	TD	3	6.0000	.50000	.28868	4.7579	7.2421	5.50	6.50
	AD	3	6.8333	.28868	.16667	6.1162	7.5504	6.50	7.00
	HD	3	8.0000	.86603	.50000	5.8487	10.1513	7.00	8.50
	Total	12	6.8750	1.11038	.32054	6.1695	7.5805	5.50	8.50
Urobilinogen E.U./dL	VC	3	1.00	.000	.000	1.00	1.00	1	1
	TD	3	1.00	.000	.000	1.00	1.00	1	1
	AD	3	1.00	.000	.000	1.00	1.00	1	1
	HD	3	1.00	.000	.000	1.00	1.00	1	1
	Total	12	1.00	.000	.000	1.00	1.00	1	1

a. Urine exposure = Post - Mid term Urine analysis

Colostrum Sub Chronic Sprawley Rats URINE EXAMINATION

Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Glucose[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Glucose g/dL (%)	Negative	5	83	5	83	6	100	5	83
			Trace	1	17	1	17			1	17

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Bilirubin[a]

			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Negative					1	17		
		Small (+)	4	67	2	33	1	17	3	50
		Moderate (++)	2	33	3	50	4	67	3	50
		Large (+++)			1	17				

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Ketone[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Ketone mg/dL	Negative	2	33			1	17	1	17
			Trace	2	33	5	83	3	50	3	50
			Small (+)	2	33	1	17	1	17	2	33
			Large (+++)					1	17		

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Blood[a]

			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Negative	6	100	6	100	5	83	6	100
		Trace					1	17		

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Protein[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Protein mg/dl	Small (+)					1	17		
			Moderate (++)	5	83	2	33			4	67
			Large (+++)	1	17	4	67	5	83	2	33

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Nitrates[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Nitrates	Negative	5	83	6	100	4	67	6	100
			Trace	1	17			2	33		

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

Leucocytes[a]

			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Negative	4	67	5	83	4	67	5	83
		Large (+++)	2	33	1	17	2	33	1	17

a. Urine exposure = Pre Urine analysis, Euthanization = Mid Term

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

Urine exposure = Post - Mid term Urine analysis

Glucose[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Post - Mid term Urine analysis	Glucose g/dL (%)	Negative	6	100	5	83	6	100	5	83
			Trace			1	17			1	17

a. Urine exposure = Post - Mid term Urine analysis

Bilirubin[a]

			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Urine exposure	Post - Mid term Urine analysis	Negative							1	17
		Small (+)	4	67	3	50	3	50	2	33
		Moderate (++)	2	33	3	50	3	50	3	50

a. Urine exposure = Post - Mid term Urine analysis

Ketone[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Post - Mid term Urine analysis	Ketone mg/dL	Trace	2	33	1	17				
			Small (+)	4	67	5	83	5	83	6	100
			Moderate (++)					1	17		

a. Urine exposure = Post - Mid term Urine analysis

Blood[a]

			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Urine exposure	Post - Mid term Urine analysis	Negative	6	100	5	83	4	67	5	83
		Trace			1	17				
		Small (+)					2	33		
		Moderate (++)							1	17

a. Urine exposure = Post - Mid term Urine analysis

Protein[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Post - Mid term Urine analysis	Protein mg/dl	Small (+)			1	17	1	17	1	17
			Moderate (++)	5	83	4	67	4	67	4	67
			Large (+++)	1	17	1	17	1	17	1	17

a. Urine exposure = Post - Mid term Urine analysis

Nitrates[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Post - Mid term Urine analysis	Nitrates	Negative	5	83	4	67	5	83	5	83
			Trace	1	17	2	33	1	17	1	17

a. Urine exposure = Post - Mid term Urine analysis

Leucocytes[a]

			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Urine exposure	Post - Mid term Urine analysis	Negative	6	100	6	100	6	100	6	100

a. Urine exposure = Post - Mid term Urine analysis

Colostrum Sub Chronic Sprawley Rats URINE EXAMINATION

Urine exposure = Pre Urine analysis, Euthanization = Final Term

Glucose[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Glucose g/dL (%)	Negative	6	100	5	83	4	67	5	83
			Trace			1	17	2	33	1	17

a. Urine exposure = Pre Urine analysis, Euthanization = Final Term

Bilirubin[a]

			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Small (+)	2	33	1	17	2	33	3	50
		Moderate (++)	4	67	4	67	4	67	3	50
		Large (+++)			1	17				

a. Urine exposure = Pre Urine analysis, Euthanization = Final Term

Ketone[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Ketone mg/dL	Negative	1	17			1	17	1	17
			Trace	2	33			1	17	4	67
			Small (+)	3	50	6	100	4	67	1	17

a. Urine exposure = Pre Urine analysis, Euthanization = Final Term

Blood[a]

			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Negative	6	100	6	100	6	100	6	100

a. Urine exposure = Pre Urine analysis, Euthanization = Final Term

Protein[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Protein mg/dl	Small (+)							1	17
			Moderate (++)	1	17	1	17	1	17	1	17
			Large (+++)	5	83	5	83	5	83	4	67

a. Urine exposure = Pre Urine analysis, Euthanization = Final Term

Nitrates[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Nitrates	Negative	5	83	3	50	4	67	4	67
			Trace	1	17	3	50	2	33	2	33

a. Urine exposure = Pre Urine analysis, Euthanization = Final Term

Leucocytes[a]

			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Urine exposure	Pre Urine analysis	Negative	4	67	4	67	2	33	3	50
		Large (+++)	2	33	2	33	4	67	3	50

a. Urine exposure = Pre Urine analysis, Euthanization = Final Term

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

Urine exposure = Post-Final Urine analysis

Glucose[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Post-Final Urine analysis	Glucose g/dL (%)	Negative	6	100	5	83	6	100	5	100
			Trace			1	17				

a. Urine exposure = Post-Final Urine analysis

Bilirubin[a]

			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Urine exposure	Post-Final Urine analysis	Negative			1	17				
		Small (+)	3	50	4	67	4	67	3	60
		Moderate (++)	3	50	1	17	2	33	2	40

a. Urine exposure = Post-Final Urine analysis

Ketone[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Post-Final Urine analysis	Ketone mg/dL	Trace	1	17	2	33			1	20
			Small (+)	4	67	4	67	6	100	3	60
			Moderate (++)	1	17					1	20

a. Urine exposure = Post-Final Urine analysis

Blood[a]

			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Urine exposure	Post-Final Urine analysis	Negative	3	50	4	67	3	50	1	20
		Trace					2	33		
		Moderate (++)	3	50	1	17	1	17	1	20
		5 large			1	17			3	60

a. Urine exposure = Post-Final Urine analysis

Protein[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Post-Final Urine analysis	Protein mg/dl	Moderate (++)	4	67	3	50	2	33	1	20
			Large (+++)	2	33	3	50	4	67	4	80

a. Urine exposure = Post-Final Urine analysis

Nitrates[a]

				VC		TD		AD		HD	
				N	%	N	%	N	%	N	%
Urine exposure	Post-Final Urine analysis	Nitrates	Negative	3	50	2	33	4	67	2	40
			Trace	3	50	4	67	2	33	3	60

a. Urine exposure = Post-Final Urine analysis

Leucocytes[a]

			VC		TD		AD		HD	
			N	%	N	%	N	%	N	%
Urine exposure	Post-Final Urine analysis	Negative	6	100	5	83	5	83	4	80
		Trace			1	17			1	20
		Large (+++)					1	17		

a. Urine exposure = Post-Final Urine analysis

Colostrum Sub Chronic Sprawley Rats URINE EXAMINATION

Urine exposure = Pre Urine analysis, Euthanization = Final Term

Descriptives-Colostrum Sub Chronic Sprawley Rats URINE EXAMINATION[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Specific Gravity	VC	6	1.02583	.008010	.003270	1.01743	1.03424	1.010	1.030
	TD	6	1.02167	.009832	.004014	1.01135	1.03198	1.010	1.030
	AD	6	1.02500	.007746	.003162	1.01687	1.03313	1.010	1.030
	HD	6	1.02417	.006646	.002713	1.01719	1.03114	1.015	1.030
	Total	24	1.02417	.007755	.001583	1.02089	1.02744	1.010	1.030
pH	VC	6	6.4167	1.15830	.47288	5.2011	7.6322	5.50	8.50
	TD	6	7.2500	1.57321	.64226	5.5990	8.9010	5.50	9.00
	AD	6	7.0000	1.34164	.54772	5.5920	8.4080	5.50	9.00
	HD	6	6.8333	1.21106	.49441	5.5624	8.1043	5.50	8.50
	Total	24	6.8750	1.27901	.26108	6.3349	7.4151	5.50	9.00
Urobilinogen E.U./dL	VC	6	3.20	3.731	1.523	-.72	7.12	0	8
	TD	6	3.33	3.615	1.476	-.46	7.13	1	8
	AD	6	5.83	3.371	1.376	2.30	9.37	1	8
	HD	6	4.67	3.670	1.498	.82	8.52	1	8
	Total	24	4.26	3.531	.721	2.77	5.75	0	8

a. Urine exposure = Pre Urine analysis, Euthanization = Final Term

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Specific Gravity	.709	3	20	.558
pH	.980	3	20	.422
Urobilinogen E.U./dL	.183	3	20	.906

a. Urine exposure = Pre Urine analysis, Euthanization = Final Term

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Specific Gravity	Between Groups	.000	3	.000	.294	.830
	Within Groups	.001	20	.000		
	Total	.001	23			
pH	Between Groups	2.208	3	.736	.416	.744
	Within Groups	35.417	20	1.771		
	Total	37.625	23			
Urobilinogen E.U./dL	Between Groups	27.738	3	9.246	.714	.555
	Within Groups	259.100	20	12.955		
	Total	286.838	23			

a. Urine exposure = Pre Urine analysis, Euthanization = Final Term

Colostrum Sub Chronic Sprawley Rats URINE EXAMINATION

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) testgroup	(J) testgroup	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Specific Gravity	TD	VC	-.004167	.004699	.708	-.01610	.00777
	AD	VC	-.000833	.004699	.996	-.01277	.01110
	HD	VC	-.001667	.004699	.970	-.01360	.01027
pH	TD	VC	.83333	.76830	.576	-1.1184	2.7851
	AD	VC	.58333	.76830	.790	-1.3684	2.5351
	HD	VC	.41667	.76830	.906	-1.5351	2.3684
Urobilinogen E.U./dL	TD	VC	.133	2.078	1.000	-5.15	5.41
	AD	VC	2.633	2.078	.460	-2.65	7.91
	HD	VC	1.467	2.078	.822	-3.81	6.75

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. Urine exposure = Pre Urine analysis, Euthanization = Final Term

Colostrum Sub Chronic Sprawley Rats URINE EXAMINATION

Urine exposure = Pre Urine analysis, Euthanization = Final Term, SEX = Male

Descriptives-Colostrum Sub Chronic Sprawley MALE Rats URINE EXAMINATION[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Specific Gravity	VC	3	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	TD	3	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	AD	3	1.02833	.002887	.001667	1.02116	1.03550	1.025	1.030
	HD	3	1.02500	.008660	.005000	1.00349	1.04651	1.015	1.030
	Total	12	1.02833	.004438	.001281	1.02551	1.03115	1.015	1.030
pH	VC	3	5.6667	.28868	.16667	4.9496	6.3838	5.50	6.00
	TD	3	5.8333	.28868	.16667	5.1162	6.5504	5.50	6.00
	AD	3	6.1667	1.15470	.66667	3.2982	9.0351	5.50	7.50
	HD	3	6.5000	1.73205	1.00000	2.1973	10.8027	5.50	8.50
	Total	12	6.0417	.96433	.27838	5.4290	6.6544	5.50	8.50
Urobilinogen E.U./dL	VC	3	3.33	4.041	2.333	-6.71	13.37	1	8
	TD	3	1.00	.000	.000	1.00	1.00	1	1
	AD	3	5.67	4.041	2.333	-4.37	15.71	1	8
	HD	3	5.67	4.041	2.333	-4.37	15.71	1	8
	Total	12	3.92	3.605	1.041	1.63	6.21	1	8

a. Urine exposure = Pre Urine analysis, Euthanization = Final Term, SEX = Male

Urine exposure = Pre Urine analysis, Euthanization = Final Term, SEX = Female

Descriptives-Colostrum Sub Chronic Sprawley FEMALE Rats URINE EXAMINATION[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Specific Gravity	VC	3	1.02167	.010408	.006009	.99581	1.04752	1.010	1.030
	TD	3	1.01333	.005774	.003333	.99899	1.02768	1.010	1.020
	AD	3	1.02167	.010408	.006009	.99581	1.04752	1.010	1.030
	HD	3	1.02333	.005774	.003333	1.00899	1.03768	1.020	1.030
	Total	12	1.02000	.008257	.002384	1.01475	1.02525	1.010	1.030
pH	VC	3	7.1667	1.25831	.72648	4.0409	10.2925	6.00	8.50
	TD	3	8.6667	.28868	.16667	7.9496	9.3838	8.50	9.00
	AD	3	7.8333	1.04083	.60093	5.2478	10.4189	7.00	9.00
	HD	3	7.1667	.57735	.33333	5.7324	8.6009	6.50	7.50
	Total	12	7.7083	.98761	.28510	7.0808	8.3358	6.00	9.00
Urobilinogen E.U./dL	VC	3	3.07	4.291	2.477	-7.59	13.73	0	8
	TD	3	5.67	4.041	2.333	-4.37	15.71	1	8
	AD	3	6.00	3.464	2.000	-2.61	14.61	2	8
	HD	3	3.67	3.786	2.186	-5.74	13.07	1	8
	Total	12	4.60	3.582	1.034	2.32	6.88	0	8

a. Urine exposure = Pre Urine analysis, Euthanization = Final Term, SEX = Female

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

Urine exposure = Post-Final Urine analysis

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Specific Gravity	VC	6	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	TD	6	1.02833	.002582	.001054	1.02562	1.03104	1.025	1.030
	AD	6	1.02750	.004183	.001708	1.02311	1.03189	1.020	1.030
	HD	5	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	Total	23	1.02891	.002592	.000541	1.02779	1.03003	1.020	1.030
pH	VC	6	6.7500	.27386	.11180	6.4626	7.0374	6.50	7.00
	TD	6	6.7500	.27386	.11180	6.4626	7.0374	6.50	7.00
	AD	6	6.7500	.41833	.17078	6.3110	7.1890	6.00	7.00
	HD	5	6.6000	.41833	.18708	6.0806	7.1194	6.00	7.00
	Total	23	6.7174	.33119	.06906	6.5742	6.8606	6.00	7.00
Urobilinogen E.U./dL	VC	6	1.00	.000	.000	1.00	1.00	1	1
	TD	6	1.00	.000	.000	1.00	1.00	1	1
	AD	6	.87	.327	.133	.52	1.21	0	1
	HD	5	1.00	.000	.000	1.00	1.00	1	1
	Total	23	.97	.167	.035	.89	1.04	0	1

a. Urine exposure = Post-Final Urine analysis

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Specific Gravity	12.386	3	19	.000
pH	.555	3	19	.651
Urobilinogen E.U./dL	5.851	3	19	.005

a. Urine exposure = Post-Final Urine analysis

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Specific Gravity	Between Groups	.000	3	.000	1.415	.269
	Within Groups	.000	19	.000		
	Total	.000	22			
pH	Between Groups	.088	3	.029	.240	.867
	Within Groups	2.325	19	.122		
	Total	2.413	22			
Urobilinogen E.U./dL	Between Groups	.079	3	.026	.936	.443
	Within Groups	.533	19	.028		
	Total	.612	22			

a. Urine exposure = Post-Final Urine analysis

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) testgroup	(J) testgroup	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Specific Gravity	TD	VC	-.001667	.001456	.541	-.00539	.00205
	AD	VC	-.002500	.001456	.238	-.00622	.00122
	HD	VC	.000000	.001527	1.000	-.00390	.00390
pH	TD	VC	.00000	.20196	1.000	-.5160	.5160
	AD	VC	.00000	.20196	1.000	-.5160	.5160
	HD	VC	-.15000	.21182	.823	-.6912	.3912
Urobilinogen E.U./dL	TD	VC	.000	.097	1.000	-.25	.25
	AD	VC	-.133	.097	.399	-.38	.11
	HD	VC	.000	.101	1.000	-.26	.26

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. Urine exposure = Post-Final Urine analysis

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

NPar Tests

Kruskal-Wallis Test

Ranks[a]

	testgroup	N	Mean Rank
Specific Gravity	VC	6	14.00
	TD	6	10.33
	AD	6	10.00
	HD	5	14.00
	Total	23	
Urobilinogen E.U./dL	VC	6	12.50
	TD	6	12.50
	AD	6	10.58
	HD	5	12.50
	Total	23	

a. Urine exposure = Post-Final Urine analysis

Test Statistics[a,b,c]

	Specific Gravity	Urobilinogen E.U./dL
Chi-Square	4.233	2.833
df	3	3
Asymp. Sig.	.237	.418

a. Kruskal Wallis Test

b. Grouping Variable: testgroup

c. Urine exposure = Post-Final Urine analysis

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

Mann-Whitney Test

Ranks[a]

	testgroup	N	Mean Rank	Sum of Ranks
Specific Gravity	VC	6	7.50	45.00
	TD	6	5.50	33.00
	Total	12		
Urobilinogen E.U./dL	VC	6	6.50	39.00
	TD	6	6.50	39.00
	Total	12		

a. Urine exposure = Post-Final Urine analysis

Test Statistics[b,c]

	Specific Gravity	Urobilinogen E.U./dL
Mann-Whitney U	12.000	18.000
Wilcoxon W	33.000	39.000
Z	-1.483	.000
Asymp. Sig. (2-tailed)	.138	1.000
Exact Sig. [2*(1-tailed Sig.)]	.394[a]	1.000[a]

a. Not corrected for ties.

b. Grouping Variable: testgroup

c. Urine exposure = Post-Final Urine analysis

Ranks[a]

	testgroup	N	Mean Rank	Sum of Ranks
Specific Gravity	VC	6	7.50	45.00
	AD	6	5.50	33.00
	Total	12		
Urobilinogen E.U./dL	VC	6	7.00	42.00
	AD	6	6.00	36.00
	Total	12		

a. Urine exposure = Post-Final Urine analysis

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

Test Statistics[b,c]

	Specific Gravity	Urobilinogen E.U./dL
Mann-Whitney U	12.000	15.000
Wilcoxon W	33.000	36.000
Z	-1.477	-1.000
Asymp. Sig. (2-tailed)	.140	.317
Exact Sig. [2*(1-tailed Sig.)]	.394[a]	.699[a]

a. Not corrected for ties.

b. Grouping Variable: testgroup

c. Urine exposure = Post-Final Urine analysis

Ranks[a]

	testgroup	N	Mean Rank	Sum of Ranks
Specific Gravity	VC	6	6.00	36.00
	HD	5	6.00	30.00
	Total	11		
Urobilinogen E.U./dL	VC	6	6.00	36.00
	HD	5	6.00	30.00
	Total	11		

a. Urine exposure = Post-Final Urine analysis

Test Statistics[b,c]

	Specific Gravity	Urobilinogen E.U./dL
Mann-Whitney U	15.000	15.000
Wilcoxon W	30.000	30.000
Z	.000	.000
Asymp. Sig. (2-tailed)	1.000	1.000
Exact Sig. [2*(1-tailed Sig.)]	1.000[a]	1.000[a]

a. Not corrected for ties.

b. Grouping Variable: testgroup

c. Urine exposure = Post-Final Urine analysis

COLOSTRUM SUB CHRONIC FOB SPRAWLEY RATS URINE ANALYSIS

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAWLEY MALE RATS URINE ANALYSIS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Specific Gravity	VC	3	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	TD	3	1.02833	.002887	.001667	1.02116	1.03550	1.025	1.030
	AD	3	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	HD	3	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	Total	12	1.02958	.001443	.000417	1.02867	1.03050	1.025	1.030
pH	VC	3	6.8333	.28868	.16667	6.1162	7.5504	6.50	7.00
	TD	3	6.8333	.28868	.16667	6.1162	7.5504	6.50	7.00
	AD	3	6.5000	.50000	.28868	5.2579	7.7421	6.00	7.00
	HD	3	6.5000	.50000	.28868	5.2579	7.7421	6.00	7.00
	Total	12	6.6667	.38925	.11237	6.4193	6.9140	6.00	7.00
Urobilinogen E.U./dL	VC	3	1.00	.000	.000	1.00	1.00	1	1
	TD	3	1.00	.000	.000	1.00	1.00	1	1
	AD	3	.73	.462	.267	-.41	1.88	0	1
	HD	3	1.00	.000	.000	1.00	1.00	1	1
	Total	12	.93	.231	.067	.79	1.08	0	1

a. Urine exposure = Post-Final Urine analysis

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAWLEY FEMALE RATS URINE ANALYSIS[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Specific Gravity	VC	3	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	TD	3	1.02833	.002887	.001667	1.02116	1.03550	1.025	1.030
	AD	3	1.02500	.005000	.002887	1.01258	1.03742	1.020	1.030
	HD	2	1.03000	.000000	.000000	1.03000	1.03000	1.030	1.030
	Total	11	1.02818	.003371	.001016	1.02592	1.03045	1.020	1.030
pH	VC	3	6.6667	.28868	.16667	5.9496	7.3838	6.50	7.00
	TD	3	6.6667	.28868	.16667	5.9496	7.3838	6.50	7.00
	AD	3	7.0000	.00000	.00000	7.0000	7.0000	7.00	7.00
	HD	2	6.7500	.35355	.25000	3.5734	9.9266	6.50	7.00
	Total	11	6.7727	.26112	.07873	6.5973	6.9481	6.50	7.00
Urobilinogen E.U./dL	VC	3	1.00	.000	.000	1.00	1.00	1	1
	TD	3	1.00	.000	.000	1.00	1.00	1	1
	AD	3	1.00	.000	.000	1.00	1.00	1	1
	HD	2	1.00	.000	.000	1.00	1.00	1	1
	Total	11	1.00	.000	.000	1.00	1.00	1	1

a. Urine exposure = Post-Final Urine analysis

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAGUE DAWLEY RATS BIOCHEMISTRY-EUTHANIZATION DAY=47th day[a] (HI)

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
ALT	VC	6	58.00	12.394	5.060	44.99	71.01	42	75
	TD	6	66.00	16.211	6.618	48.99	83.01	51	96
	AD	6	72.50	20.560	8.393	50.92	94.08	45	102
	HD	6	58.50	14.167	5.784	43.63	73.37	45	81
	Total	24	63.75	16.222	3.311	56.90	70.60	42	102
AST	VC	6	121.00	14.283	5.831	106.01	135.99	96	135
	TD	6	130.50	14.293	5.835	115.50	145.50	114	153
	AD	6	138.00	32.754	13.372	103.63	172.37	93	192
	HD	6	112.50	10.349	4.225	101.64	123.36	96	123
	Total	24	125.50	21.022	4.291	116.62	134.38	93	192
ALP	VC	6	211.00	38.074	15.543	171.04	250.96	162	261
	TD	6	191.50	28.233	11.526	161.87	221.13	159	225
	AD	6	223.50	49.432	20.180	171.62	275.38	165	315
	HD	6	219.00	53.666	21.909	162.68	275.32	147	282
	Total	24	211.25	42.453	8.666	193.32	229.18	147	315
ALB	VC	6	3.917	.0753	.0307	3.838	3.996	3.8	4.0
	TD	6	4.000	.1095	.0447	3.885	4.115	3.9	4.2
	AD	6	3.950	.1049	.0428	3.840	4.060	3.8	4.1
	HD	6	3.917	.2137	.0872	3.692	4.141	3.7	4.3
	Total	24	3.946	.1318	.0269	3.890	4.001	3.7	4.3
CREAT	VC	6	.917	.1602	.0654	.749	1.085	.7	1.1
	TD	6	1.067	.0816	.0333	.981	1.152	1.0	1.2
	AD	6	1.067	.1366	.0558	.923	1.210	.9	1.3
	HD	6	.983	.1602	.0654	.815	1.151	.7	1.1
	Total	24	1.008	.1442	.0294	.947	1.069	.7	1.3
CALCIUM	VC	6	10.133	.1862	.0760	9.938	10.329	10.0	10.5
	TD	6	10.150	.5505	.2247	9.572	10.728	9.6	11.1
	AD	6	10.183	.3545	.1447	9.811	10.555	9.6	10.5
	HD	6	10.017	.2714	.1108	9.732	10.302	9.7	10.4
	Total	24	10.121	.3476	.0710	9.974	10.268	9.6	11.1
CHOL	VC	6	70.00	14.085	5.750	55.22	84.78	55	90
	TD	6	66.67	12.420	5.071	53.63	79.70	46	78
	AD	6	62.17	6.047	2.469	55.82	68.51	54	71
	HD	6	63.17	6.555	2.676	56.29	70.05	57	74
	Total	24	65.50	10.194	2.081	61.20	69.80	46	90
GLUCOSE	VC	6	51.50	7.868	3.212	43.24	59.76	42	61
	TD	6	56.33	9.993	4.080	45.85	66.82	44	72
	AD	6	56.00	9.716	3.967	45.80	66.20	37	65
	HD	6	52.17	5.601	2.286	46.29	58.04	43	58
	Total	24	54.00	8.215	1.677	50.53	57.47	37	72
TP	VC	6	7.483	.2137	.0872	7.259	7.708	7.2	7.7
	TD	6	7.467	.3724	.1520	7.076	7.857	7.0	7.9
	AD	6	7.550	.2258	.0922	7.313	7.787	7.3	7.9
	HD	6	7.417	.2714	.1108	7.132	7.702	7.1	7.9
	Total	24	7.479	.2637	.0538	7.368	7.591	7.0	7.9
TBILI	VC	6	.350	.0837	.0342	.262	.438	.2	.4
	TD	6	.483	.2563	.1046	.214	.752	.2	.8
	AD	6	.450	.1049	.0428	.340	.560	.3	.6
	HD	6	.283	.0753	.0307	.204	.362	.2	.4
	Total	24	.392	.1613	.0329	.324	.460	.2	.8

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAGUE DAWLEY RATS BIOCHEMISTRY-EUTHANIZATION DAY=47th day[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
UREA	VC	6	32.83	6.014	2.455	26.52	39.14	23	39
	TD	6	31.33	5.317	2.171	25.75	36.91	27	39
	AD	6	36.00	8.099	3.307	27.50	44.50	27	49
	HD	6	30.67	5.164	2.108	25.25	36.09	24	38
	Total	24	32.71	6.203	1.266	30.09	35.33	23	49
TRI	VC	6	53.67	14.706	6.004	38.23	69.10	40	79
	TD	6	64.17	12.875	5.256	50.66	77.68	48	84
	AD	6	54.00	13.638	5.568	39.69	68.31	38	71
	HD	6	54.50	11.623	4.745	42.30	66.70	42	71
	Total	24	56.58	13.151	2.684	51.03	62.14	38	84

a. Euthaniztion day = 47th Day

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
ALT	.784	3	20	.517
AST	1.764	3	20	.186
ALP	.700	3	20	.563
ALB	1.740	3	20	.191
CREAT	.705	3	20	.560
CALCIUM	2.346	3	20	.103
CHOL	2.293	3	20	.109
GLUCOSE	.368	3	20	.777
TP	1.022	3	20	.404
TBILI	6.770	3	20	.002
UREA	.654	3	20	.590
TRI	.134	3	20	.939

a. Euthaniztion day = 47th Day

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
ALT	Between Groups	853.500	3	284.500	1.094	.374
	Within Groups	5199.000	20	259.950		
	Total	6052.500	23			
AST	Between Groups	2223.000	3	741.000	1.866	.168
	Within Groups	7941.000	20	397.050		
	Total	10164.000	23			
ALP	Between Groups	3601.500	3	1200.500	.634	.602
	Within Groups	37851.000	20	1892.550		
	Total	41452.500	23			
ALB	Between Groups	.028	3	.009	.501	.686
	Within Groups	.372	20	.019		
	Total	.400	23			
CREAT	Between Groups	.095	3	.032	1.652	.209
	Within Groups	.383	20	.019		
	Total	.478	23			
CALCIUM	Between Groups	.095	3	.032	.235	.871
	Within Groups	2.685	20	.134		
	Total	2.780	23			
CHOL	Between Groups	229.000	3	76.333	.706	.559
	Within Groups	2161.000	20	108.050		
	Total	2390.000	23			
GLUCOSE	Between Groups	114.333	3	38.111	.530	.667
	Within Groups	1437.667	20	71.883		
	Total	1552.000	23			
TP	Between Groups	.055	3	.018	.236	.871
	Within Groups	1.545	20	.077		
	Total	1.600	23			
TBILI	Between Groups	.152	3	.051	2.264	.112
	Within Groups	.447	20	.022		
	Total	.598	23			
UREA	Between Groups	101.458	3	33.819	.863	.476
	Within Groups	783.500	20	39.175		
	Total	884.958	23			
TRI	Between Groups	462.167	3	154.056	.876	.470
	Within Groups	3515.667	20	175.783		
	Total	3977.833	23			

a. Euthaniztion day = 47th Day

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Post Hoc Tests

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test Group	(J) Test Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
ALT	TD	VC	8.000	9.309	.726	-15.65	31.65
	AD	VC	14.500	9.309	.302	-9.15	38.15
	HD	VC	.500	9.309	1.000	-23.15	24.15
AST	TD	VC	9.500	11.504	.748	-19.73	38.73
	AD	VC	17.000	11.504	.342	-12.23	46.23
	HD	VC	-8.500	11.504	.802	-37.73	20.73
ALP	TD	VC	-19.500	25.117	.779	-83.31	44.31
	AD	VC	12.500	25.117	.925	-51.31	76.31
	HD	VC	8.000	25.117	.978	-55.81	71.81
ALB	TD	VC	.0833	.0787	.593	-.117	.283
	AD	VC	.0333	.0787	.951	-.167	.233
	HD	VC	.0000	.0787	1.000	-.200	.200
CREAT	TD	VC	.1500	.0799	.178	-.053	.353
	AD	VC	.1500	.0799	.178	-.053	.353
	HD	VC	.0667	.0799	.743	-.136	.270
CALCIUM	TD	VC	.0167	.2115	1.000	-.521	.554
	AD	VC	.0500	.2115	.991	-.487	.587
	HD	VC	-.1167	.2115	.902	-.654	.421
CHOL	TD	VC	-3.333	6.001	.900	-18.58	11.91
	AD	VC	-7.833	6.001	.437	-23.08	7.41
	HD	VC	-6.833	6.001	.541	-22.08	8.41
GLUCOSE	TD	VC	4.833	4.895	.641	-7.60	17.27
	AD	VC	4.500	4.895	.687	-7.94	16.94
	HD	VC	.667	4.895	.998	-11.77	13.10
TP	TD	VC	-.0167	.1605	.999	-.424	.391
	AD	VC	.0667	.1605	.954	-.341	.474
	HD	VC	-.0667	.1605	.954	-.474	.341
TBILI	TD	VC	.1333	.0863	.308	-.086	.353
	AD	VC	.1000	.0863	.527	-.119	.319
	HD	VC	-.0667	.0863	.782	-.286	.153
UREA	TD	VC	-1.500	3.614	.954	-10.68	7.68
	AD	VC	3.167	3.614	.715	-6.01	12.35
	HD	VC	-2.167	3.614	.879	-11.35	7.01
TRI	TD	VC	10.500	7.655	.398	-8.95	29.95
	AD	VC	.333	7.655	1.000	-19.11	19.78
	HD	VC	.833	7.655	.999	-18.61	20.28

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. Euthaniztion day = 47th Day

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

NPar Tests

Kruskal-Wallis Test

Ranks[a]

	Test Group	N	Mean Rank
TBILI	VC	6	11.67
	TD	6	14.50
	AD	6	16.75
	HD	6	7.08
	Total	24	

a. Euthaniztion day = 47th Day

Test Statistics[a,b,c]

	TBILI
Chi-Square	6.741
df	3
Asymp. Sig.	.081

a. Kruskal Wallis Test

b. Grouping Variable: Test Group

c. Euthaniztion day = 47th Day

Mann-Whitney Test

Ranks[a]

	Test Group	N	Mean Rank	Sum of Ranks
TBILI	VC	6	5.83	35.00
	TD	6	7.17	43.00
	Total	12		

a. Euthaniztion day = 47th Day

Test Statistics[b,c]

	TBILI
Mann-Whitney U	14.000
Wilcoxon W	35.000
Z	-.688
Asymp. Sig. (2-tailed)	.492
Exact Sig. [2*(1-tailed Sig.)]	.589[a]

a. Not corrected for ties.

b. Grouping Variable: Test Group

c. Euthaniztion day = 47th Day

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Ranks[a]

	Test Group	N	Mean Rank	Sum of Ranks
TBILI	VC	6	4.92	29.50
	AD	6	8.08	48.50
	Total	12		

a. Euthaniztion day = 47th Day

Test Statistics[b,c]

	TBILI
Mann-Whitney U	8.500
Wilcoxon W	29.500
Z	-1.630
Asymp. Sig. (2-tailed)	.103
Exact Sig. [2*(1-tailed Sig.)]	.132[a]

a. Not corrected for ties.

b. Grouping Variable: Test Group

c. Euthaniztion day = 47th Day

Ranks[a]

	Test Group	N	Mean Rank	Sum of Ranks
TBILI	VC	6	7.92	47.50
	HD	6	5.08	30.50
	Total	12		

a. Euthaniztion day = 47th Day

Test Statistics[b,c]

	TBILI
Mann-Whitney U	9.500
Wilcoxon W	30.500
Z	-1.450
Asymp. Sig. (2-tailed)	.147
Exact Sig. [2*(1-tailed Sig.)]	.180[a]

a. Not corrected for ties.

b. Grouping Variable: Test Group

c. Euthaniztion day = 47th Day

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAGUE DAWLEY MALE RATS BIOCHEMISTRY-EUTHANIZATION DAY=47th day

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
ALT	VC	3	67.00	9.165	5.292	44.23	89.77	57	75
	TD	3	76.00	18.330	10.583	30.47	121.53	60	96
	AD	3	89.00	11.358	6.557	60.79	117.21	81	102
	HD	3	70.00	9.644	5.568	46.04	93.96	63	81
	Total	12	75.50	13.945	4.025	66.64	84.36	57	102
AST	VC	3	127.00	4.583	2.646	115.62	138.38	123	132
	TD	3	138.00	13.077	7.550	105.52	170.48	129	153
	AD	3	155.00	32.909	19.000	73.25	236.75	129	192
	HD	3	121.00	1.732	1.000	116.70	125.30	120	123
	Total	12	135.25	20.365	5.879	122.31	148.19	120	192
ALP	VC	3	242.00	16.523	9.539	200.96	283.04	231	261
	TD	3	203.00	38.105	22.000	108.34	297.66	159	225
	AD	3	252.00	54.745	31.607	116.01	387.99	216	315
	HD	3	241.00	16.523	9.539	199.96	282.04	222	252
	Total	12	234.50	35.905	10.365	211.69	257.31	159	315
ALB	VC	3	3.933	.0577	.0333	3.790	4.077	3.9	4.0
	TD	3	4.067	.1155	.0667	3.780	4.354	4.0	4.2
	AD	3	4.000	.1000	.0577	3.752	4.248	3.9	4.1
	HD	3	3.867	.1528	.0882	3.487	4.246	3.7	4.0
	Total	12	3.967	.1231	.0355	3.888	4.045	3.7	4.2
CREAT	VC	3	1.033	.1155	.0667	.746	1.320	.9	1.1
	TD	3	1.033	.0577	.0333	.890	1.177	1.0	1.1
	AD	3	1.100	.1732	.1000	.670	1.530	1.0	1.3
	HD	3	.967	.2309	.1333	.393	1.540	.7	1.1
	Total	12	1.033	.1435	.0414	.942	1.125	.7	1.3
CALCIUM	VC	3	10.200	.2646	.1528	9.543	10.857	10.0	10.5
	TD	3	10.433	.6506	.3756	8.817	12.050	9.8	11.1
	AD	3	10.300	.2646	.1528	9.643	10.957	10.0	10.5
	HD	3	9.967	.3055	.1764	9.208	10.726	9.7	10.3
	Total	12	10.225	.3888	.1122	9.978	10.472	9.7	11.1
CHOL	VC	3	59.00	4.000	2.309	49.06	68.94	55	63
	TD	3	68.00	9.539	5.508	44.30	91.70	59	78
	AD	3	63.67	1.528	.882	59.87	67.46	62	65
	HD	3	61.33	4.933	2.848	49.08	73.59	58	67
	Total	12	63.00	6.030	1.741	59.17	66.83	55	78
GLUCOSE	VC	3	50.67	9.609	5.548	26.80	74.54	42	61
	TD	3	49.33	5.508	3.180	35.65	63.01	44	55
	AD	3	50.67	11.846	6.839	21.24	80.09	37	58
	HD	3	48.33	5.508	3.180	34.65	62.01	43	54
	Total	12	49.75	7.375	2.129	45.06	54.44	37	61
TP	VC	3	7.533	.2082	.1202	7.016	8.050	7.3	7.7
	TD	3	7.667	.4041	.2333	6.663	8.671	7.2	7.9
	AD	3	7.667	.2517	.1453	7.042	8.292	7.4	7.9
	HD	3	7.300	.2000	.1155	6.803	7.797	7.1	7.5
	Total	12	7.542	.2843	.0821	7.361	7.722	7.1	7.9
TBILI	VC	3	.400	.0000	.0000	.400	.400	.4	.4
	TD	3	.667	.2309	.1333	.093	1.240	.4	.8
	AD	3	.533	.0577	.0333	.390	.677	.5	.6
	HD	3	.300	.1000	.0577	.052	.548	.2	.4
	Total	12	.475	.1815	.0524	.360	.590	.2	.8

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAGUE DAWLEY MALE RATS BIOCHEMISTRY-EUTHANIZATION DAY=47th day

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
UREA	VC	3	30.33	7.024	4.055	12.89	47.78	23	37
	TD	3	28.33	1.528	.882	24.54	32.13	27	30
	AD	3	32.67	2.082	1.202	27.50	37.84	31	35
	HD	3	34.67	3.055	1.764	27.08	42.26	32	38
	Total	12	31.50	4.253	1.228	28.80	34.20	23	38
TRI	VC	3	53.00	8.888	5.132	30.92	75.08	43	60
	TD	3	67.33	16.042	9.262	27.48	107.18	52	84
	AD	3	52.00	15.100	8.718	14.49	89.51	38	68
	HD	3	55.33	10.066	5.812	30.33	80.34	46	66
	Total	12	56.92	12.731	3.675	48.83	65.01	38	84

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAGUE DAWLEY FEMALE RATS BIOCHEMISTRY-Euthanization day=47th day

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
ALT	VC	3	49.00	7.550	4.359	30.25	67.75	42	57
	TD	3	56.00	4.583	2.646	44.62	67.38	51	60
	AD	3	56.00	10.536	6.083	29.83	82.17	45	66
	HD	3	47.00	3.464	2.000	38.39	55.61	45	51
	Total	12	52.00	7.385	2.132	47.31	56.69	42	66
AST	VC	3	115.00	19.519	11.269	66.51	163.49	96	135
	TD	3	123.00	13.077	7.550	90.52	155.48	114	138
	AD	3	121.00	27.055	15.620	53.79	188.21	93	147
	HD	3	104.00	6.928	4.000	86.79	121.21	96	108
	Total	12	115.75	17.374	5.015	104.71	126.79	93	147
ALP	VC	3	180.00	21.633	12.490	126.26	233.74	162	204
	TD	3	180.00	12.000	6.928	150.19	209.81	168	192
	AD	3	195.00	25.981	15.000	130.46	259.54	165	210
	HD	3	197.00	73.993	42.720	13.19	380.81	147	282
	Total	12	188.00	36.053	10.408	165.09	210.91	147	282
ALB	VC	3	3.900	.1000	.0577	3.652	4.148	3.8	4.0
	TD	3	3.933	.0577	.0333	3.790	4.077	3.9	4.0
	AD	3	3.900	.1000	.0577	3.652	4.148	3.8	4.0
	HD	3	3.967	.2887	.1667	3.250	4.684	3.8	4.3
	Total	12	3.925	.1422	.0411	3.835	4.015	3.8	4.3
CREAT	VC	3	.800	.1000	.0577	.552	1.048	.7	.9
	TD	3	1.100*	.1000	.0577	.852	1.348	1.0	1.2
	AD	3	1.033	.1155	.0667	.746	1.320	.9	1.1
	HD	3	1.000	.1000	.0577	.752	1.248	.9	1.1
	Total	12	.983	.1467	.0423	.890	1.077	.7	1.2
CALCIUM	VC	3	10.067	.0577	.0333	9.923	10.210	10.0	10.1
	TD	3	9.867	.3055	.1764	9.108	10.626	9.6	10.2
	AD	3	10.067	.4509	.2603	8.947	11.187	9.6	10.5
	HD	3	10.067	.2887	.1667	9.350	10.784	9.9	10.4
	Total	12	10.017	.2791	.0806	9.839	10.194	9.6	10.5
CHOL	VC	3	81.00	10.817	6.245	54.13	107.87	69	90
	TD	3	65.33	17.010	9.821	23.08	107.59	46	78
	AD	3	60.67	9.074	5.239	38.13	83.21	54	71
	HD	3	65.00	8.544	4.933	43.78	86.22	57	74
	Total	12	68.00	12.933	3.734	59.78	76.22	46	90
GLUCOSE	VC	3	52.33	7.767	4.485	33.04	71.63	46	61
	TD	3	63.33	8.505	4.910	42.21	84.46	55	72
	AD	3	61.33	3.215	1.856	53.35	69.32	59	65
	HD	3	56.00	2.000	1.155	51.03	60.97	54	58
	Total	12	58.25	6.877	1.985	53.88	62.62	46	72
TP	VC	3	7.433	.2517	.1453	6.808	8.058	7.2	7.7
	TD	3	7.267	.2517	.1453	6.642	7.892	7.0	7.5
	AD	3	7.433	.1528	.0882	7.054	7.813	7.3	7.6
	HD	3	7.533	.3215	.1856	6.735	8.332	7.3	7.9
	Total	12	7.417	.2368	.0683	7.266	7.567	7.0	7.9
TBILI	VC	3	.300	.1000	.0577	.052	.548	.2	.4
	TD	3	.300	.1000	.0577	.052	.548	.2	.4
	AD	3	.367	.0577	.0333	.223	.510	.3	.4
	HD	3	.267	.0577	.0333	.123	.410	.2	.3
	Total	12	.308	.0793	.0229	.258	.359	.2	.4

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAGUE DAWLEY FEMALE RATS BIOCHEMISTRY-Euthanization day=47th day

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
UREA	VC	3	35.33	4.726	2.728	23.59	47.07	30	39
	TD	3	34.33	6.429	3.712	18.36	50.30	27	39
	AD	3	39.33	11.240	6.489	11.41	67.25	27	49
	HD	3	26.67	3.055	1.764	19.08	34.26	24	30
	Total	12	33.92	7.692	2.221	29.03	38.80	24	49
TRI	VC	3	54.33	21.455	12.387	1.04	107.63	40	79
	TD	3	61.00	11.269	6.506	33.01	88.99	48	68
	AD	3	56.00	15.000	8.660	18.74	93.26	41	71
	HD	3	53.67	15.308	8.838	15.64	91.69	42	71
	Total	12	56.25	14.117	4.075	47.28	65.22	40	79

*. Significantly different from Vehicle control at P<0.05

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAGUE DAWLEY RATS BIOCHEMISTRY-EUTHANIZATION DAY=60th day[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
ALT	VC	6	78.00	21.964	8.967	54.95	101.05	57	99
	TD	6	78.00	19.627	8.012	57.40	98.60	45	105
	AD	6	92.50	52.080	21.261	37.85	147.15	51	195
	HD	5	75.60	13.975	6.250	58.25	92.95	57	90
	Total	23	81.26	29.944	6.244	68.31	94.21	45	195
AST	VC	6	170.50	30.969	12.643	138.00	203.00	135	225
	TD	6	145.50	30.579	12.484	113.41	177.59	120	201
	AD	6	162.50	63.254	25.823	96.12	228.88	108	285
	HD	5	147.00	37.709	16.864	100.18	193.82	120	210
	Total	23	156.78	41.414	8.635	138.87	174.69	108	285
ALP	VC	6	273.50	49.310	20.131	221.75	325.25	222	354
	TD	6	244.50	63.830	26.059	177.51	311.49	180	360
	AD	6	240.50	39.864	16.274	198.67	282.33	171	285
	HD	5	252.00	66.509	29.744	169.42	334.58	201	366
	Total	23	252.65	53.114	11.075	229.68	275.62	171	366
ALB	VC	6	3.567	.2503	.1022	3.304	3.829	3.2	3.9
	TD	6	3.617	.1602	.0654	3.449	3.785	3.4	3.8
	AD	6	3.767	.2658	.1085	3.488	4.046	3.5	4.2
	HD	5	3.780	.2683	.1200	3.447	4.113	3.6	4.2
	Total	23	3.678	.2411	.0503	3.574	3.783	3.2	4.2
CREAT	VC	6	.717	.1941	.0792	.513	.920	.6	1.1
	TD	6	.633	.1211	.0494	.506	.760	.4	.7
	AD	6	.600	.1265	.0516	.467	.733	.4	.7
	HD	5	.700	.1414	.0632	.524	.876	.6	.9
	Total	23	.661	.1469	.0306	.597	.724	.4	1.1
CALCIUM	VC	6	9.383	.3488	.1424	9.017	9.749	9.0	9.9
	TD	6	9.683	.4834	.1973	9.176	10.191	9.0	10.3
	AD	6	9.633	.2944	.1202	9.324	9.942	9.3	10.0
	HD	5	9.760	.1949	.0872	9.518	10.002	9.5	9.9
	Total	23	9.609	.3579	.0746	9.454	9.763	9.0	10.3
CHOL	VC	6	47.17	10.610	4.331	36.03	58.30	31	60
	TD	6	53.83	7.935	3.240	45.51	62.16	44	63
	AD	6	46.50	7.688	3.138	38.43	54.57	38	58
	HD	5	44.00	10.724	4.796	30.68	57.32	35	61
	Total	23	48.04	9.378	1.956	43.99	52.10	31	63
GLUCOSE	VC	6	70.33	14.194	5.795	55.44	85.23	42	79
	TD	6	70.67	11.183	4.566	58.93	82.40	61	91
	AD	6	67.33	7.285	2.974	59.69	74.98	60	77
	HD	5	69.40	12.522	5.600	53.85	84.95	51	83
	Total	23	69.43	10.799	2.252	64.76	74.10	42	91
TP	VC	6	6.467	.2733	.1116	6.180	6.753	6.1	6.9
	TD	6	6.500	.3847	.1571	6.096	6.904	6.0	7.1
	AD	6	6.583	.4579	.1869	6.103	7.064	6.1	7.4
	HD	5	6.640	.1342	.0600	6.473	6.807	6.5	6.8
	Total	23	6.543	.3259	.0680	6.403	6.684	6.0	7.4
TBILI	VC	6	.433	.1366	.0558	.290	.577	.3	.6
	TD	6	.417	.0983	.0401	.313	.520	.3	.6
	AD	6	.400	.1095	.0447	.285	.515	.3	.6
	HD	5	.420	.0447	.0200	.364	.476	.4	.5
	Total	23	.417	.0984	.0205	.375	.460	.3	.6

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAGUE DAWLEY RATS BIOCHEMISTRY-EUTHANIZATION DAY=60th day[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
UREA	VC	6	30.33	3.777	1.542	26.37	34.30	26	36
	TD	6	28.33	3.559	1.453	24.60	32.07	25	35
	AD	6	31.17	4.215	1.721	26.74	35.59	26	38
	HD	5	31.60	3.286	1.470	27.52	35.68	28	36
	Total	23	30.30	3.710	.774	28.70	31.91	25	38
TRI	VC	6	46.67	5.989	2.445	40.38	52.95	42	58
	TD	6	60.83	22.640	9.243	37.07	84.59	40	104
	AD	6	53.00	3.347	1.366	49.49	56.51	50	59
	HD	5	55.80	9.884	4.420	43.53	68.07	43	68
	Total	23	54.00	13.167	2.745	48.31	59.69	40	104

a. Euthaniztion day = 60th day(Final)

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
ALT	1.560	3	19	.232
AST	.642	3	19	.597
ALP	.227	3	19	.877
ALB	.608	3	19	.618
CREAT	.247	3	19	.862
CALCIUM	.986	3	19	.420
CHOL	.376	3	19	.771
GLUCOSE	.245	3	19	.864
TP	.891	3	19	.464
TBILI	1.392	3	19	.276
UREA	.143	3	19	.933
TRI	2.143	3	19	.128

a. Euthaniztion day = 60th day(Final)

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
ALT	Between Groups	1045.735	3	348.578	.355	.786
	Within Groups	18680.700	19	983.195		
	Total	19726.435	22			
AST	Between Groups	2567.413	3	855.804	.462	.712
	Within Groups	35164.500	19	1850.763		
	Total	37731.913	22			
ALP	Between Groups	3894.717	3	1298.239	.424	.738
	Within Groups	58168.500	19	3061.500		
	Total	62063.217	22			
ALB	Between Groups	.196	3	.065	1.147	.356
	Within Groups	1.083	19	.057		
	Total	1.279	22			
CREAT	Between Groups	.053	3	.018	.798	.510
	Within Groups	.422	19	.022		
	Total	.475	22			
CALCIUM	Between Groups	.456	3	.152	1.223	.329
	Within Groups	2.362	19	.124		
	Total	2.818	22			
CHOL	Between Groups	301.790	3	100.597	1.170	.347
	Within Groups	1633.167	19	85.956		
	Total	1934.957	22			
GLUCOSE	Between Groups	40.452	3	13.484	.101	.958
	Within Groups	2525.200	19	132.905		
	Total	2565.652	22			
TP	Between Groups	.103	3	.034	.292	.831
	Within Groups	2.234	19	.118		
	Total	2.337	22			
TBILI	Between Groups	.003	3	.001	.102	.958
	Within Groups	.210	19	.011		
	Total	.213	22			
UREA	Between Groups	36.170	3	12.057	.859	.479
	Within Groups	266.700	19	14.037		
	Total	302.870	22			
TRI	Between Groups	625.033	3	208.344	1.241	.322
	Within Groups	3188.967	19	167.840		
	Total	3814.000	22			

a. Euthaniztion day = 60th day(Final)

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Post Hoc Tests

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test Group	(J) Test Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
ALT	TD	VC	.000	18.103	1.000	-46.25	46.25
	AD	VC	14.500	18.103	.767	-31.75	60.75
	HD	VC	-2.400	18.987	.999	-50.91	46.11
AST	TD	VC	-25.000	24.838	.632	-88.46	38.46
	AD	VC	-8.000	24.838	.978	-71.46	55.46
	HD	VC	-23.500	26.050	.702	-90.05	43.05
ALP	TD	VC	-29.000	31.945	.698	-110.61	52.61
	AD	VC	-33.000	31.945	.614	-114.61	48.61
	HD	VC	-21.500	33.504	.860	-107.10	64.10
ALB	TD	VC	.0500	.1378	.969	-.302	.402
	AD	VC	.2000	.1378	.359	-.152	.552
	HD	VC	.2133	.1446	.346	-.156	.583
CREAT	TD	VC	-.0833	.0860	.657	-.303	.136
	AD	VC	-.1167	.0860	.411	-.336	.103
	HD	VC	-.0167	.0902	.996	-.247	.214
CALCIUM	TD	VC	.3000	.2036	.347	-.220	.820
	AD	VC	.2500	.2036	.488	-.270	.770
	HD	VC	.3767	.2135	.220	-.169	.922
CHOL	TD	VC	6.667	5.353	.477	-7.01	20.34
	AD	VC	-.667	5.353	.999	-14.34	13.01
	HD	VC	-3.167	5.614	.898	-17.51	11.18
GLUCOSE	TD	VC	.333	6.656	1.000	-16.67	17.34
	AD	VC	-3.000	6.656	.943	-20.00	14.00
	HD	VC	-.933	6.981	.998	-18.77	16.90
TP	TD	VC	.0333	.1980	.997	-.472	.539
	AD	VC	.1167	.1980	.886	-.389	.622
	HD	VC	.1733	.2076	.746	-.357	.704
TBILI	TD	VC	-.0167	.0606	.986	-.172	.138
	AD	VC	-.0333	.0606	.905	-.188	.122
	HD	VC	-.0133	.0636	.994	-.176	.149
UREA	TD	VC	-2.000	2.163	.687	-7.53	3.53
	AD	VC	.833	2.163	.963	-4.69	6.36
	HD	VC	1.267	2.269	.901	-4.53	7.06
TRI	TD	VC	14.167	7.480	.176	-4.94	33.28
	AD	VC	6.333	7.480	.738	-12.78	25.44
	HD	VC	9.133	7.845	.528	-10.91	29.18

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. Euthaniztion day = 60th day(Final)

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAGUE DAWLEY MALE RATS BIOCHEMISTRY-EUTHANIZATION DAY=60th day

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
ALT	VC	3	98.00	1.732	1.000	93.70	102.30	96	99
	TD	3	91.00	12.490	7.211	59.97	122.03	81	105
	AD	3	123.00	62.426	36.042	-32.07	278.07	84	195
	HD	3	85.00*	6.245	3.606	69.49	100.51	78	90
	Total	12	99.25	31.189	9.003	79.43	119.07	78	195
AST	VC	3	181.00	38.575	22.271	85.18	276.82	153	225
	TD	3	167.00	30.050	17.349	92.35	241.65	144	201
	AD	3	201.00	72.993	42.143	19.67	382.33	153	285
	HD	3	165.00	40.361	23.302	64.74	265.26	132	210
	Total	12	178.50	43.877	12.666	150.62	206.38	132	285
ALP	VC	3	272.00	34.771	20.075	185.62	358.38	249	312
	TD	3	245.00	7.550	4.359	226.25	263.75	237	252
	AD	3	268.00	15.395	8.888	229.76	306.24	255	285
	HD	3	231.00	19.672	11.358	182.13	279.87	210	249
	Total	12	254.00	25.531	7.370	237.78	270.22	210	312
ALB	VC	3	3.400	.1732	.1000	2.970	3.830	3.2	3.5
	TD	3	3.533	.1155	.0667	3.246	3.820	3.4	3.6
	AD	3	3.567	.1155	.0667	3.280	3.854	3.5	3.7
	HD	3	3.600*	.0000	.0000	3.600	3.600	3.6	3.6
	Total	12	3.525	.1288	.0372	3.443	3.607	3.2	3.7
CREAT	VC	3	.633	.0577	.0333	.490	.777	.6	.7
	TD	3	.567	.1528	.0882	.187	.946	.4	.7
	AD	3	.600	.1000	.0577	.352	.848	.5	.7
	HD	3	.700	.1732	.1000	.270	1.130	.6	.9
	Total	12	.625	.1215	.0351	.548	.702	.4	.9
CALCIUM	VC	3	9.133	.1528	.0882	8.754	9.513	9.0	9.3
	TD	3	9.533	.6807	.3930	7.842	11.224	9.0	10.3
	AD	3	9.600	.3606	.2082	8.704	10.496	9.3	10.0
	HD	3	9.800	.1732	.1000	9.370	10.230	9.6	9.9
	Total	12	9.517	.4260	.1230	9.246	9.787	9.0	10.3
CHOL	VC	3	45.00	3.606	2.082	36.04	53.96	42	49
	TD	3	52.00	6.557	3.786	35.71	68.29	45	58
	AD	3	47.67	4.726	2.728	35.93	59.41	44	53
	HD	3	48.67	12.014	6.936	18.82	78.51	37	61
	Total	12	48.33	6.880	1.986	43.96	52.70	37	61
GLUCOSE	VC	3	74.67	3.786	2.186	65.26	84.07	72	79
	TD	3	64.00	5.196	3.000	51.09	76.91	61	70
	AD	3	68.00	7.000	4.041	50.61	85.39	60	73
	HD	3	61.67	9.238	5.333	38.72	84.61	51	67
	Total	12	67.08	7.645	2.207	62.23	71.94	51	79
TP	VC	3	6.267	.1528	.0882	5.887	6.646	6.1	6.4
	TD	3	6.400	.1732	.1000	5.970	6.830	6.3	6.6
	AD	3	6.467	.2309	.1333	5.893	7.040	6.2	6.6
	HD	3	6.667	.1528	.0882	6.287	7.046	6.5	6.8
	Total	12	6.450	.2153	.0622	6.313	6.587	6.1	6.8
TBILI	VC	3	.433	.1528	.0882	.054	.813	.3	.6
	TD	3	.367	.0577	.0333	.223	.510	.3	.4
	AD	3	.367	.0577	.0333	.223	.510	.3	.4
	HD	3	.433	.0577	.0333	.290	.577	.4	.5
	Total	12	.400	.0853	.0246	.346	.454	.3	.6

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAGUE DAWLEY MALE RATS BIOCHEMISTRY-EUTHANIZATION DAY=60th day

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
UREA	VC	3	32.67	3.512	2.028	23.94	41.39	29	36
	TD	3	27.67	1.528	.882	23.87	31.46	26	29
	AD	3	30.33	2.517	1.453	24.08	36.58	28	33
	HD	3	30.67	3.055	1.764	23.08	38.26	28	34
	Total	12	30.33	2.995	.865	28.43	32.24	26	36
TRI	VC	3	42.67	.577	.333	41.23	44.10	42	43
	TD	3	54.00*	7.810	4.509	34.60	73.40	45	59
	AD	3	50.67*	1.155	.667	47.80	53.54	50	52
	HD	3	54.00	9.644	5.568	30.04	77.96	43	61
	Total	12	50.33	7.190	2.076	45.76	54.90	42	61

*. Significantly different from Vehicle control at P<0.05

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAGUE DAWLEY FEMALE RATS BIOCHEMISTRY-Euthanization day=60th day(Final)

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
ALT	VC	3	58.00	1.732	1.000	53.70	62.30	57	60
	TD	3	65.00	17.321	10.000	21.97	108.03	45	75
	AD	3	62.00	9.644	5.568	38.04	85.96	51	69
	HD	2	61.50	6.364	4.500	4.32	118.68	57	66
	Total	11	61.64	9.521	2.871	55.24	68.03	45	75
AST	VC	3	160.00	24.062	13.892	100.23	219.77	135	183
	TD	3	124.00	6.928	4.000	106.79	141.21	120	132
	AD	3	124.00	15.100	8.718	86.49	161.51	108	138
	HD	2	120.00	.000	.000	120.00	120.00	120	120
	Total	11	133.09	21.728	6.551	118.49	147.69	108	183
ALP	VC	3	275.00	69.735	40.262	101.77	448.23	222	354
	TD	3	244.00	100.638	58.103	-6.00	494.00	180	360
	AD	3	213.00	38.301	22.113	117.85	308.15	171	246
	HD	2	283.50	116.673	82.500	-764.76	1331.76	201	366
	Total	11	251.18	74.059	22.330	201.43	300.94	171	366
ALB	VC	3	3.733	.2082	.1202	3.216	4.250	3.5	3.9
	TD	3	3.700	.1732	.1000	3.270	4.130	3.5	3.8
	AD	3	3.967	.2082	.1202	3.450	4.484	3.8	4.2
	HD	2	4.050	.2121	.1500	2.144	5.956	3.9	4.2
	Total	11	3.845	.2252	.0679	3.694	3.997	3.5	4.2
CREAT	VC	3	.800	.2646	.1528	.143	1.457	.6	1.1
	TD	3	.700	.0000	.0000	.700	.700	.7	.7
	AD	3	.600	.1732	.1000	.170	1.030	.4	.7
	HD	2	.700	.1414	.1000	-.571	1.971	.6	.8
	Total	11	.700	.1673	.0505	.588	.812	.4	1.1
CALCIUM	VC	3	9.633	.3055	.1764	8.874	10.392	9.3	9.9
	TD	3	9.833	.2309	.1333	9.260	10.407	9.7	10.1
	AD	3	9.667	.2887	.1667	8.950	10.384	9.5	10.0
	HD	2	9.700	.2828	.2000	7.159	12.241	9.5	9.9
	Total	11	9.709	.2468	.0744	9.543	9.875	9.3	10.1
CHOL	VC	3	49.33	15.948	9.207	9.72	88.95	31	60
	TD	3	55.67	10.214	5.897	30.29	81.04	44	63
	AD	3	45.33	11.015	6.360	17.97	72.70	38	58
	HD	2	37.00	2.828	2.000	11.59	62.41	35	39
	Total	11	47.73	11.884	3.583	39.74	55.71	31	63
GLUCOSE	VC	3	66.00	20.809	12.014	14.31	117.69	42	79
	TD	3	77.33	12.342	7.126	46.67	107.99	67	91
	AD	3	66.67	9.074	5.239	44.13	89.21	60	77
	HD	2	81.00	2.828	2.000	55.59	106.41	79	83
	Total	11	72.00	13.357	4.027	63.03	80.97	42	91
TP	VC	3	6.667	.2082	.1202	6.150	7.184	6.5	6.9
	TD	3	6.600	.5568	.3215	5.217	7.983	6.0	7.1
	AD	3	6.700	.6557	.3786	5.071	8.329	6.1	7.4
	HD	2	6.600	.1414	.1000	5.329	7.871	6.5	6.7
	Total	11	6.645	.4009	.1209	6.376	6.915	6.0	7.4
TBILI	VC	3	.433	.1528	.0882	.054	.813	.3	.6
	TD	3	.467	.1155	.0667	.180	.754	.4	.6
	AD	3	.433	.1528	.0882	.054	.813	.3	.6
	HD	2	.400	.0000	.0000	.400	.400	.4	.4
	Total	11	.436	.1120	.0338	.361	.512	.3	.6

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS BIOCHEMISTRY

Descriptives-COLOSTRUM SUB CHRONIC FOB SPRAGUE DAWLEY FEMALE RATS BIOCHEMISTRY-Euthanization day=60th day(Final)

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
UREA	VC	3	28.00	2.646	1.528	21.43	34.57	26	31
	TD	3	29.00	5.292	3.055	15.86	42.14	25	35
	AD	3	32.00	6.000	3.464	17.10	46.90	26	38
	HD	2	33.00	4.243	3.000	-5.12	71.12	30	36
	Total	11	30.27	4.519	1.362	27.24	33.31	25	38
TRI	VC	3	50.67	6.429	3.712	34.70	66.64	46	58
	TD	3	67.67	32.868	18.977	-13.98	149.32	40	104
	AD	3	55.33	3.215	1.856	47.35	63.32	53	59
	HD	2	58.50	13.435	9.500	-62.21	179.21	49	68
	Total	11	58.00	17.053	5.142	46.54	69.46	40	104

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Euthaniztion = 47th Day (MID)

Descriptives-Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
WBC (10E3/mm3)	VC	6	11.0683	1.67135	.68233	9.3144	12.8223	8.97	13.27
	TD	6	8.6033	1.42838	.58313	7.1043	10.1023	6.42	10.88
	AD	6	10.7733	1.75093	.71481	8.9358	12.6108	8.37	13.16
	HD	6	9.7583	2.77476	1.13279	6.8464	12.6703	5.71	13.12
	Total	24	10.0508	2.08954	.42653	9.1685	10.9332	5.71	13.27
RBC (10E6/mm3)	VC	6	9.0917	.60125	.24546	8.4607	9.7226	8.50	9.93
	TD	6	8.8700	.44904	.18332	8.3988	9.3412	8.34	9.44
	AD	6	9.0850	.50643	.20675	8.5535	9.6165	8.36	9.70
	HD	6	8.7150	.45925	.18749	8.2330	9.1970	8.18	9.29
	Total	24	8.9404	.50000	.10206	8.7293	9.1515	8.18	9.93
HGB (g/dl)	VC	6	17.567	.8595	.3509	16.665	18.469	16.4	18.7
	TD	6	17.383	.6795	.2774	16.670	18.096	16.6	18.3
	AD	6	17.583	1.0362	.4230	16.496	18.671	16.3	19.0
	HD	6	16.750	.8550	.3490	15.853	17.647	15.7	17.8
	Total	24	17.321	.8792	.1795	16.950	17.692	15.7	19.0
HCT (%)	VC	6	51.117	3.0909	1.2619	47.873	54.360	47.4	54.4
	TD	6	51.467	3.8130	1.5566	47.465	55.468	47.1	57.5
	AD	6	51.733	3.2346	1.3205	48.339	55.128	47.2	56.0
	HD	6	48.467	2.7186	1.1099	45.614	51.320	45.4	51.8
	Total	24	50.696	3.3011	.6738	49.302	52.090	45.4	57.5
MCV (µm3)	VC	6	56.233	1.3895	.5673	54.775	57.692	54.3	58.3
	TD	6	57.950	1.6146	.6592	56.256	59.644	56.3	60.9
	AD	6	56.967	1.5983	.6525	55.289	58.644	54.9	59.0
	HD	6	55.650	.3271	.1335	55.307	55.993	55.1	56.0
	Total	24	56.700	1.5283	.3120	56.055	57.345	54.3	60.9
MCH (pg)	VC	6	19.317	.4956	.2023	18.797	19.837	18.8	20.0
	TD	6	19.583	.3061	.1249	19.262	19.905	19.3	20.1
	AD	6	19.350	.4970	.2029	18.828	19.872	18.6	19.8
	HD	6	19.267	.4633	.1892	18.780	19.753	18.6	20.0
	Total	24	19.379	.4354	.0889	19.195	19.563	18.6	20.1
MCHC (g/dl)	VC	6	34.417	.6969	.2845	33.685	35.148	33.5	35.1
	TD	6	33.817	1.2671	.5173	32.487	35.146	31.8	35.2
	AD	6	33.983	.3601	.1470	33.605	34.361	33.5	34.6
	HD	6	34.600	.6986	.2852	33.867	35.333	33.7	35.7
	Total	24	34.204	.8327	.1700	33.853	34.556	31.8	35.7
CHMC (g/dl)	VC	6	31.983	.5981	.2442	31.356	32.611	31.2	32.7
	TD	6	31.400	1.2696	.5183	30.068	32.732	29.5	32.9
	AD	6	31.667	.3933	.1606	31.254	32.079	31.3	32.4
	HD	6	32.250	.9050	.3695	31.300	33.200	31.2	33.3
	Total	24	31.825	.8644	.1764	31.460	32.190	29.5	33.3
CH (pg)	VC	6	17.967	.5046	.2060	17.437	18.496	17.3	18.5
	TD	6	18.150	.3674	.1500	17.764	18.536	17.8	18.7
	AD	6	17.967	.4502	.1838	17.494	18.439	17.4	18.4
	HD	6	17.883	.5419	.2212	17.315	18.452	17.1	18.5
	Total	24	17.992	.4500	.0919	17.802	18.182	17.1	18.7
RDW (%)	VC	6	12.083	.9642	.3936	11.071	13.095	11.0	13.6
	TD	6	12.333	.9543	.3896	11.332	13.335	11.4	13.8
	AD	6	12.467	1.3574	.5542	11.042	13.891	10.9	14.9
	HD	6	12.483	1.3363	.5455	11.081	13.886	11.3	15.0
	Total	24	12.342	1.1025	.2251	11.876	12.807	10.9	15.0
HDW (g/dl)	VC	6	2.7117	.22203	.09064	2.4787	2.9447	2.49	3.08
	TD	6	2.7300	.27276	.11136	2.4438	3.0162	2.44	3.10
	AD	6	2.7017	.22031	.08994	2.4705	2.9329	2.47	3.03
	HD	6	2.6883	.25341	.10345	2.4224	2.9543	2.31	3.09
	Total	24	2.7079	.22725	.04639	2.6120	2.8039	2.31	3.10

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Descriptives-Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
PLT (10E3/mm3)	VC	6	1093.67	89.088	36.370	1000.17	1187.16	920	1163
	TD	6	1006.83	123.888	50.577	876.82	1136.85	888	1208
	AD	6	1047.33	232.198	94.794	803.66	1291.01	760	1351
	HD	6	1164.17	197.153	80.487	957.27	1371.07	924	1480
	Total	24	1078.00	169.706	34.641	1006.34	1149.66	760	1480
MPV (µm3)	VC	6	9.100	.4147	.1693	8.665	9.535	8.8	9.9
	TD	6	9.617	1.1548	.4715	8.405	10.829	8.3	11.7
	AD	6	9.283	.5419	.2212	8.715	9.852	8.6	10.2
	HD	6	9.033	.7967	.3252	8.197	9.869	8.0	10.0
	Total	24	9.258	.7632	.1558	8.936	9.581	8.0	11.7
Cellular HGB (g/dl)	VC	6	16.350	.7396	.3019	15.574	17.126	15.3	17.2
	TD	6	16.117	.5269	.2151	15.564	16.670	15.5	16.9
	AD	6	16.367	.8756	.3575	15.448	17.286	15.3	17.6
	HD	6	15.633	.7230	.2951	14.875	16.392	14.5	16.4
	Total	24	16.117	.7423	.1515	15.803	16.430	14.5	17.6
Neutrophils (%)	VC	6	14.50	2.881	1.176	11.48	17.52	11	18
	TD	6	16.33	3.933	1.606	12.21	20.46	10	22
	AD	6	17.83	5.231	2.136	12.34	23.32	12	25
	HD	6	17.83	6.274	2.561	11.25	24.42	12	28
	Total	24	16.63	4.651	.949	14.66	18.59	10	28
Lymphocytes (%)	VC	6	81.67	3.445	1.406	78.05	85.28	78	86
	TD	6	79.00	5.020	2.049	73.73	84.27	71	86
	AD	6	78.33	4.926	2.011	73.16	83.50	72	84
	HD	6	77.67	6.282	2.565	71.07	84.26	69	85
	Total	24	79.17	4.931	1.007	77.08	81.25	69	86
Monocytes (%)	VC	6	2.67	.516	.211	2.12	3.21	2	3
	TD	6	3.17	.753	.307	2.38	3.96	2	4
	AD	6	2.67	.516	.211	2.12	3.21	2	3
	HD	6	2.83	.753	.307	2.04	3.62	2	4
	Total	24	2.83	.637	.130	2.56	3.10	2	4
Eosinophils (%)	VC	6	1.17	.408	.167	.74	1.60	1	2
	TD	6	1.50	.837	.342	.62	2.38	1	3
	AD	6	1.17	.408	.167	.74	1.60	1	2
	HD	6	1.67	.816	.333	.81	2.52	1	3
	Total	24	1.38	.647	.132	1.10	1.65	1	3
Basophils (%)	VC	6	.00	.000	.000	.00	.00	0	0
	TD	6	.00	.000	.000	.00	.00	0	0
	AD	6	.00	.000	.000	.00	.00	0	0
	HD	6	.00	.000	.000	.00	.00	0	0
	Total	24	.00	.000	.000	.00	.00	0	0

a. Euthaniztion = 47th Day

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
WBC (10E3/mm3)	1.894	3	20	.163
RBC (10E6/mm3)	.320	3	20	.811
HGB (g/dl)	.332	3	20	.802
HCT (%)	.151	3	20	.928
MCV (µm3)	2.317	3	20	.106
MCH (pg)	.735	3	20	.543
MCHC (g/dl)	2.587	3	20	.082
CHMC (g/dl)	2.592	3	20	.081
CH (pg)	.793	3	20	.512
RDW (%)	.126	3	20	.943
HDW (g/dl)	.187	3	20	.904
PLT (10E3/mm3)	2.158	3	20	.125
MPV (µm3)	1.102	3	20	.372
Cellular HGB (g/dl)	.528	3	20	.668
Neutrophils (%)	1.664	3	20	.207
Lymphocytes (%)	1.433	3	20	.263
Monocytes (%)	.219	3	20	.882
Eosinophils (%)	2.700	3	20	.073
Basophils (%)	.	3	.	.

a. Euthaniztion = 47th Day

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
WBC (10E3/mm3)	Between Groups	22.429	3	7.476	1.917	.159
	Within Groups	77.994	20	3.900		
	Total	100.422	23			
RBC (10E6/mm3)	Between Groups	.597	3	.199	.773	.523
	Within Groups	5.153	20	.258		
	Total	5.750	23			
HGB (g/dl)	Between Groups	2.755	3	.918	1.222	.328
	Within Groups	15.025	20	.751		
	Total	17.780	23			
HCT (%)	Between Groups	40.901	3	13.634	1.300	.302
	Within Groups	209.728	20	10.486		
	Total	250.630	23			
MCV (µm3)	Between Groups	17.723	3	5.908	3.282	.042
	Within Groups	35.997	20	1.800		
	Total	53.720	23			
MCH (pg)	Between Groups	.355	3	.118	.590	.629
	Within Groups	4.005	20	.200		
	Total	4.360	23			
MCHC (g/dl)	Between Groups	2.405	3	.802	1.184	.341
	Within Groups	13.545	20	.677		
	Total	15.950	23			

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
CHMC (g/dl)	Between Groups	2.468	3	.823	1.118	.365
	Within Groups	14.717	20	.736		
	Total	17.185	23			
CH (pg)	Between Groups	.228	3	.076	.344	.794
	Within Groups	4.430	20	.222		
	Total	4.658	23			
RDW (%)	Between Groups	.615	3	.205	.150	.929
	Within Groups	27.343	20	1.367		
	Total	27.958	23			
HDW (g/dl)	Between Groups	.006	3	.002	.031	.992
	Within Groups	1.182	20	.059		
	Total	1.188	23			
PLT (10E3/mm3)	Between Groups	82051.667	3	27350.556	.943	.439
	Within Groups	580350.33	20	29017.517		
	Total	662402.00	23			
MPV (µm3)	Between Groups	1.228	3	.409	.673	.579
	Within Groups	12.170	20	.609		
	Total	13.398	23			
Cellular HGB (g/dl)	Between Groups	2.103	3	.701	1.327	.294
	Within Groups	10.570	20	.529		
	Total	12.673	23			
Neutrophils (%)	Between Groups	45.125	3	15.042	.665	.583
	Within Groups	452.500	20	22.625		
	Total	497.625	23			
Lymphocytes (%)	Between Groups	55.333	3	18.444	.732	.545
	Within Groups	504.000	20	25.200		
	Total	559.333	23			
Monocytes (%)	Between Groups	1.000	3	.333	.800	.508
	Within Groups	8.333	20	.417		
	Total	9.333	23			
Eosinophils (%)	Between Groups	1.125	3	.375	.882	.467
	Within Groups	8.500	20	.425		
	Total	9.625	23			
Basophils (%)	Between Groups	.000	3	.000	.	.
	Within Groups	.000	20	.000		
	Total	.000	23			

a. Euthaniztion = 47th Day

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
WBC (10E3/mm3)	TD	VC	-2.46500	1.14013	.106	-5.3614	.4314
	AD	VC	-.29500	1.14013	.988	-3.1914	2.6014
	HD	VC	-1.31000	1.14013	.534	-4.2064	1.5864
RBC (10E6/mm3)	TD	VC	-.22167	.29305	.792	-.9661	.5228
	AD	VC	-.00667	.29305	1.000	-.7511	.7378
	HD	VC	-.37667	.29305	.449	-1.1211	.3678
HGB (g/dl)	TD	VC	-.1833	.5004	.967	-1.455	1.088
	AD	VC	.0167	.5004	1.000	-1.255	1.288
	HD	VC	-.8167	.5004	.269	-2.088	.455
HCT (%)	TD	VC	.3500	1.8696	.995	-4.400	5.100
	AD	VC	.6167	1.8696	.976	-4.133	5.366
	HD	VC	-2.6500	1.8696	.373	-7.400	2.100
MCV (µm3)	TD	VC	1.7167	.7746	.095	-.251	3.684
	AD	VC	.7333	.7746	.668	-1.234	2.701
	HD	VC	-.5833	.7746	.794	-2.551	1.384
MCH (pg)	TD	VC	.2667	.2584	.611	-.390	.923
	AD	VC	.0333	.2584	.998	-.623	.690
	HD	VC	-.0500	.2584	.995	-.706	.606
MCHC (g/dl)	TD	VC	-.6000	.4751	.462	-1.807	.607
	AD	VC	-.4333	.4751	.692	-1.640	.774
	HD	VC	.1833	.4751	.962	-1.024	1.390
CHMC (g/dl)	TD	VC	-.5833	.4953	.515	-1.841	.675
	AD	VC	-.3167	.4953	.859	-1.575	.941
	HD	VC	.2667	.4953	.908	-.991	1.525
CH (pg)	TD	VC	.1833	.2717	.840	-.507	.874
	AD	VC	.0000	.2717	1.000	-.690	.690
	HD	VC	-.0833	.2717	.980	-.774	.607
RDW (%)	TD	VC	.2500	.6751	.966	-1.465	1.965
	AD	VC	.3833	.6751	.895	-1.332	2.098
	HD	VC	.4000	.6751	.883	-1.315	2.115
HDW (g/dl)	TD	VC	.01833	.14037	.998	-.3383	.3749
	AD	VC	-.01000	.14037	1.000	-.3666	.3466
	HD	VC	-.02333	.14037	.997	-.3799	.3333
PLT (10E3/mm3)	TD	VC	-86.833	98.349	.711	-336.68	163.01
	AD	VC	-46.333	98.349	.935	-296.18	203.51
	HD	VC	70.500	98.349	.816	-179.34	320.34
MPV (µm3)	TD	VC	.5167	.4504	.535	-.627	1.661
	AD	VC	.1833	.4504	.956	-.961	1.327
	HD	VC	-.0667	.4504	.998	-1.211	1.077
Cellular HGB (g/dl)	TD	VC	-.2333	.4197	.900	-1.300	.833
	AD	VC	.0167	.4197	1.000	-1.050	1.083
	HD	VC	-.7167	.4197	.238	-1.783	.350
Neutrophils (%)	TD	VC	1.833	2.746	.844	-5.14	8.81
	AD	VC	3.333	2.746	.493	-3.64	10.31
	HD	VC	3.333	2.746	.493	-3.64	10.31
Lymphocytes (%)	TD	VC	-2.667	2.898	.686	-10.03	4.70
	AD	VC	-3.333	2.898	.533	-10.70	4.03
	HD	VC	-4.000	2.898	.394	-11.36	3.36
Monocytes (%)	TD	VC	.500	.373	.416	-.45	1.45
	AD	VC	.000	.373	1.000	-.95	.95

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Monocytes (%)	HD	VC	.167	.373	.944	-.78	1.11
Eosinophils (%)	TD	VC	.333	.376	.709	-.62	1.29
	AD	VC	.000	.376	1.000	-.96	.96
	HD	VC	.500	.376	.423	-.46	1.46

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. Euthaniztion = 47th Day

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Descriptives-Colostrum Sub Chronic Sprawley MALE Rats HAEMATOLOGY[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
WBC (10E3/mm3)	VC	3	12.3967	1.08648	.62728	9.6977	15.0956	11.18	13.27
	TD	3	9.2133	1.45456	.83979	5.6000	12.8267	8.20	10.88
	AD	3	11.8933	1.43169	.82659	8.3368	15.4498	10.34	13.16
	HD	3	11.3733	2.20913	1.27544	5.8856	16.8611	8.89	13.12
	Total	12	11.2192	1.86149	.53737	10.0364	12.4019	8.20	13.27
RBC (10E6/mm3)	VC	3	9.5800	.41605	.24021	8.5465	10.6135	9.12	9.93
	TD	3	9.1200	.32512	.18771	8.3124	9.9276	8.79	9.44
	AD	3	9.1767	.40377	.23312	8.1736	10.1797	8.83	9.62
	HD	3	8.9733	.47269	.27291	7.7991	10.1476	8.43	9.29
	Total	12	9.2125	.41961	.12113	8.9459	9.4791	8.43	9.93
HGB (g/dl)	VC	3	18.267	.4509	.2603	17.147	19.387	17.8	18.7
	TD	3	17.667	.6506	.3756	16.050	19.283	17.0	18.3
	AD	3	18.067	.8327	.4807	15.998	20.135	17.4	19.0
	HD	3	17.033	1.1590	.6692	14.154	19.913	15.7	17.8
	Total	12	17.758	.8522	.2460	17.217	18.300	15.7	19.0
HCT (%)	VC	3	53.867	.6110	.3528	52.349	55.384	53.2	54.4
	TD	3	53.533	3.4646	2.0003	44.927	62.140	51.1	57.5
	AD	3	53.433	2.2279	1.2863	47.899	58.968	52.0	56.0
	HD	3	49.900	3.0348	1.7521	42.361	57.439	46.4	51.8
	Total	12	52.683	2.7699	.7996	50.923	54.443	46.4	57.5
MCV (µm3)	VC	3	56.233	2.0033	1.1566	51.257	61.210	54.3	58.3
	TD	3	58.633	2.0526	1.1851	53.534	63.732	56.9	60.9
	AD	3	58.300	.7000	.4041	56.561	60.039	57.6	59.0
	HD	3	55.633	.4726	.2728	54.459	56.807	55.1	56.0
	Total	12	57.200	1.8547	.5354	56.022	58.378	54.3	60.9
MCH (pg)	VC	3	19.033	.4041	.2333	18.029	20.037	18.8	19.5
	TD	3	19.367	.0577	.0333	19.223	19.510	19.3	19.4
	AD	3	19.733*	.1155	.0667	19.446	20.020	19.6	19.8
	HD	3	19.000	.3464	.2000	18.139	19.861	18.6	19.2
	Total	12	19.283	.3881	.1120	19.037	19.530	18.6	19.8
MCHC (g/dl)	VC	3	33.933	.6658	.3844	32.279	35.587	33.5	34.7
	TD	3	33.033	1.1240	.6489	30.241	35.825	31.8	34.0
	AD	3	33.833	.2887	.1667	33.116	34.550	33.5	34.0
	HD	3	34.133	.3786	.2186	33.193	35.074	33.7	34.4
	Total	12	33.733	.7365	.2126	33.265	34.201	31.8	34.7
CHMC (g/dl)	VC	3	31.500	.3606	.2082	30.604	32.396	31.2	31.9
	TD	3	30.700	1.0392	.6000	28.118	33.282	29.5	31.3
	AD	3	31.433	.1155	.0667	31.146	31.720	31.3	31.5
	HD	3	31.467	.2517	.1453	30.842	32.092	31.2	31.7
	Total	12	31.275	.5956	.1719	30.897	31.653	29.5	31.9
CH (pg)	VC	3	17.700	.5292	.3055	16.386	19.014	17.3	18.3
	TD	3	17.933	.1528	.0882	17.554	18.313	17.8	18.1
	AD	3	18.267	.1528	.0882	17.887	18.646	18.1	18.4
	HD	3	17.433	.2887	.1667	16.716	18.150	17.1	17.6
	Total	12	17.833	.4207	.1214	17.566	18.101	17.1	18.4
RDW (%)	VC	3	12.867	.6429	.3712	11.270	14.464	12.4	13.6
	TD	3	13.133	.5859	.3383	11.678	14.589	12.7	13.8
	AD	3	13.400	1.3000	.7506	10.171	16.629	12.6	14.9
	HD	3	13.267	1.5822	.9135	9.336	17.197	11.9	15.0
	Total	12	13.167	.9708	.2802	12.550	13.783	11.9	15.0
HDW (g/dl)	VC	3	2.8800	.18028	.10408	2.4322	3.3278	2.73	3.08
	TD	3	2.9433	.19858	.11465	2.4500	3.4366	2.72	3.10
	AD	3	2.8867	.12423	.07172	2.5781	3.1953	2.81	3.03
	HD	3	2.8467	.21779	.12574	2.3056	3.3877	2.67	3.09
	Total	12	2.8892	.16071	.04639	2.7871	2.9913	2.67	3.10

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Descriptives-Colostrum Sub Chronic Sprawley MALE Rats HAEMATOLOGY[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
PLT (10E3/mm3)	VC	3	1066.67	127.492	73.608	749.96	1383.38	920	1151
	TD	3	973.00	95.786	55.302	735.05	1210.95	908	1083
	AD	3	1229.33	114.771	66.263	944.23	1514.44	1123	1351
	HD	3	1314.67	151.995	87.754	937.09	1692.24	1181	1480
	Total	12	1145.92	175.358	50.622	1034.50	1257.33	908	1480
MPV (µm3)	VC	3	9.333	.5132	.2963	8.059	10.608	8.9	9.9
	TD	3	10.300	1.2288	.7095	7.247	13.353	9.4	11.7
	AD	3	9.200	.2646	.1528	8.543	9.857	9.0	9.5
	HD	3	9.300	.4583	.2646	8.162	10.438	8.9	9.8
	Total	12	9.533	.7679	.2217	9.045	10.021	8.9	11.7
Cellular HGB (g/dl)	VC	3	16.967	.2517	.1453	16.342	17.592	16.7	17.2
	TD	3	16.400	.4583	.2646	15.262	17.538	16.0	16.9
	AD	3	16.800	.7000	.4041	15.061	18.539	16.3	17.6
	HD	3	15.700	1.0440	.6028	13.106	18.294	14.5	16.4
	Total	12	16.467	.7726	.2230	15.976	16.958	14.5	17.6
Neutrophils (%)	VC	3	15.00	3.606	2.082	6.04	23.96	11	18
	TD	3	14.00	3.606	2.082	5.04	22.96	10	17
	AD	3	13.33	1.155	.667	10.46	16.20	12	14
	HD	3	15.00	3.000	1.732	7.55	22.45	12	18
	Total	12	14.33	2.674	.772	12.63	16.03	10	18
Lymphocytes (%)	VC	3	81.33	4.163	2.404	70.99	91.68	78	86
	TD	3	81.67	4.041	2.333	71.63	91.71	78	86
	AD	3	82.67	1.155	.667	79.80	85.54	82	84
	HD	3	79.67	4.163	2.404	69.32	90.01	75	83
	Total	12	81.33	3.284	.948	79.25	83.42	75	86
Monocytes (%)	VC	3	2.67	.577	.333	1.23	4.10	2	3
	TD	3	3.33	.577	.333	1.90	4.77	3	4
	AD	3	3.00	.000	.000	3.00	3.00	3	3
	HD	3	3.33	.577	.333	1.90	4.77	3	4
	Total	12	3.08	.515	.149	2.76	3.41	2	4
Eosinophils (%)	VC	3	1.00	.000	.000	1.00	1.00	1	1
	TD	3	1.00	.000	.000	1.00	1.00	1	1
	AD	3	1.00	.000	.000	1.00	1.00	1	1
	HD	3	2.00	1.000	.577	-.48	4.48	1	3
	Total	12	1.25	.622	.179	.86	1.64	1	3
Basophils (%)	VC	3	.00	.000	.000	.00	.00	0	0
	TD	3	.00	.000	.000	.00	.00	0	0
	AD	3	.00	.000	.000	.00	.00	0	0
	HD	3	.00	.000	.000	.00	.00	0	0
	Total	12	.00	.000	.000	.00	.00	0	0

*. Significantly different from Vehicle control at P<0.05

a. Euthaniztion = 47th Day

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Descriptives-Colostrum Sub Chronic Sprawley FEMALE Rats HAEMATOLOGY[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
WBC (10E3/mm3)	VC	3	9.7400	.71393	.41219	7.9665	11.5135	8.97	10.38
	TD	3	7.9933	1.36698	.78923	4.5976	11.3891	6.42	8.89
	AD	3	9.6533	1.36067	.78559	6.2732	13.0334	8.37	11.08
	HD	3	8.1433	2.55799	1.47686	1.7889	14.4977	5.71	10.81
	Total	12	8.8825	1.63889	.47311	7.8412	9.9238	5.71	11.08
RBC (10E6/mm3)	VC	3	8.6033	.12342	.07126	8.2967	8.9099	8.50	8.74
	TD	3	8.6200	.45924	.26514	7.4792	9.7608	8.34	9.15
	AD	3	8.9933	.67300	.38856	7.3215	10.6652	8.36	9.70
	HD	3	8.4567	.32192	.18586	7.6570	9.2564	8.18	8.81
	Total	12	8.6683	.43026	.12421	8.3950	8.9417	8.18	9.70
HGB (g/dl)	VC	3	16.867	.4163	.2404	15.832	17.901	16.4	17.2
	TD	3	17.100	.7000	.4041	15.361	18.839	16.6	17.9
	AD	3	17.100	1.1358	.6557	14.279	19.921	16.3	18.4
	HD	3	16.467	.4933	.2848	15.241	17.692	15.9	16.8
	Total	12	16.883	.6873	.1984	16.447	17.320	15.9	18.4
HCT (%)	VC	3	48.367	.9074	.5239	46.113	50.621	47.4	49.2
	TD	3	49.400	3.3956	1.9604	40.965	57.835	47.1	53.3
	AD	3	50.033	3.5388	2.0431	41.242	58.824	47.2	54.0
	HD	3	47.033	1.7616	1.0171	42.657	51.409	45.4	48.9
	Total	12	48.708	2.5482	.7356	47.089	50.327	45.4	54.0
MCV (µm3)	VC	3	56.233	.9018	.5207	53.993	58.474	55.3	57.1
	TD	3	57.267	.9504	.5487	54.906	59.628	56.3	58.2
	AD	3	55.633	.7506	.4333	53.769	57.498	54.9	56.4
	HD	3	55.667	.2082	.1202	55.150	56.184	55.5	55.9
	Total	12	56.200	.9477	.2736	55.598	56.802	54.9	58.2
MCH (pg)	VC	3	19.600	.4583	.2646	18.462	20.738	19.1	20.0
	TD	3	19.800	.3000	.1732	19.055	20.545	19.5	20.1
	AD	3	18.967	.4041	.2333	17.963	19.971	18.6	19.4
	HD	3	19.533	.4509	.2603	18.413	20.653	19.1	20.0
	Total	12	19.475	.4751	.1371	19.173	19.777	18.6	20.1
MCHC (g/dl)	VC	3	34.900	.2646	.1528	34.243	35.557	34.6	35.1
	TD	3	34.600	.9539	.5508	32.230	36.970	33.5	35.2
	AD	3	34.133	.4163	.2404	33.099	35.168	33.8	34.6
	HD	3	35.067	.6506	.3756	33.450	36.683	34.4	35.7
	Total	12	34.675	.6510	.1879	34.261	35.089	33.5	35.7
CHMC (g/dl)	VC	3	32.467	.2517	.1453	31.842	33.092	32.2	32.7
	TD	3	32.100	1.2166	.7024	29.078	35.122	30.7	32.9
	AD	3	31.900	.4583	.2646	30.762	33.038	31.5	32.4
	HD	3	33.033	.3786	.2186	32.093	33.974	32.6	33.3
	Total	12	32.375	.7399	.2136	31.905	32.845	30.7	33.3
CH (pg)	VC	3	18.233	.3786	.2186	17.293	19.174	17.8	18.5
	TD	3	18.367	.4163	.2404	17.332	19.401	17.9	18.7
	AD	3	17.667	.4619	.2667	16.519	18.814	17.4	18.2
	HD	3	18.333	.2082	.1202	17.816	18.850	18.1	18.5
	Total	12	18.150	.4380	.1264	17.872	18.428	17.4	18.7
RDW (%)	VC	3	11.300	.2646	.1528	10.643	11.957	11.0	11.5
	TD	3	11.533	.1155	.0667	11.246	11.820	11.4	11.6
	AD	3	11.533	.5508	.3180	10.165	12.901	10.9	11.9
	HD	3	11.700	.3464	.2000	10.839	12.561	11.3	11.9
	Total	12	11.517	.3380	.0976	11.302	11.731	10.9	11.9
HDW (g/dl)	VC	3	2.5433	.07572	.04372	2.3552	2.7314	2.49	2.63
	TD	3	2.5167	.10017	.05783	2.2678	2.7655	2.44	2.63
	AD	3	2.5167	.05686	.03283	2.3754	2.6579	2.47	2.58
	HD	3	2.5300	.19468	.11240	2.0464	3.0136	2.31	2.68
	Total	12	2.5267	.10237	.02955	2.4616	2.5917	2.31	2.68

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Descriptives-Colostrum Sub Chronic Sprawley FEMALE Rats HAEMATOLOGY[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
PLT (10E3/mm3)	VC	3	1120.67	37.421	21.605	1027.71	1213.63	1092	1163
	TD	3	1040.67	160.503	92.667	641.95	1439.38	888	1208
	AD	3	865.33	149.149	86.111	494.83	1235.84	760	1036
	HD	3	1013.67	78.233	45.168	819.33	1208.01	924	1068
	Total	12	1010.08	139.298	40.212	921.58	1098.59	760	1208
MPV (µm3)	VC	3	8.867	.0577	.0333	8.723	9.010	8.8	8.9
	TD	3	8.933	.6506	.3756	7.317	10.550	8.3	9.6
	AD	3	9.367	.8021	.4631	7.374	11.359	8.6	10.2
	HD	3	8.767	1.0786	.6227	6.087	11.446	8.0	10.0
	Total	12	8.983	.6807	.1965	8.551	9.416	8.0	10.2
Cellular HGB (g/dl)	VC	3	15.733	.4041	.2333	14.729	16.737	15.3	16.1
	TD	3	15.833	.4933	.2848	14.608	17.059	15.5	16.4
	AD	3	15.933	.9292	.5364	13.625	18.241	15.3	17.0
	HD	3	15.567	.4509	.2603	14.447	16.687	15.1	16.0
	Total	12	15.767	.5365	.1549	15.426	16.108	15.1	17.0
Neutrophils (%)	VC	3	14.00	2.646	1.528	7.43	20.57	11	16
	TD	3	18.67	3.055	1.764	11.08	26.26	16	22
	AD	3	22.33	2.517	1.453	16.08	28.58	20	25
	HD	3	20.67	8.083	4.667	.59	40.75	12	28
	Total	12	18.92	5.160	1.490	15.64	22.20	11	28
Lymphocytes (%)	VC	3	82.00	3.464	2.000	73.39	90.61	80	86
	TD	3	76.33	5.033	2.906	63.83	88.84	71	81
	AD	3	74.00	1.732	1.000	69.70	78.30	72	75
	HD	3	75.67	8.327	4.807	54.98	96.35	69	85
	Total	12	77.00	5.461	1.576	73.53	80.47	69	86
Monocytes (%)	VC	3	2.67	.577	.333	1.23	4.10	2	3
	TD	3	3.00	1.000	.577	.52	5.48	2	4
	AD	3	2.33	.577	.333	.90	3.77	2	3
	HD	3	2.33	.577	.333	.90	3.77	2	3
	Total	12	2.58	.669	.193	2.16	3.01	2	4
Eosinophils (%)	VC	3	1.33	.577	.333	-.10	2.77	1	2
	TD	3	2.00	1.000	.577	-.48	4.48	1	3
	AD	3	1.33	.577	.333	-.10	2.77	1	2
	HD	3	1.33	.577	.333	-.10	2.77	1	2
	Total	12	1.50	.674	.195	1.07	1.93	1	3
Basophils (%)	VC	3	.00	.000	.000	.00	.00	0	0
	TD	3	.00	.000	.000	.00	.00	0	0
	AD	3	.00	.000	.000	.00	.00	0	0
	HD	3	.00	.000	.000	.00	.00	0	0
	Total	12	.00	.000	.000	.00	.00	0	0

a. Euthaniztion = 47th Day

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Euthaniztion = 60th day(Final)

Descriptives-Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
WBC (10E3/mm3)	VC	6	10.4267	2.98940	1.22042	7.2895	13.5638	7.52	14.28
	TD	6	11.4533	2.71707	1.10924	8.6019	14.3047	7.67	14.92
	AD	6	9.8050	2.92016	1.19215	6.7405	12.8695	6.99	13.99
	HD	5	11.3080	2.53374	1.13312	8.1620	14.4540	8.25	14.25
	Total	23	10.7239	2.70021	.56303	9.5563	11.8916	6.99	14.92
RBC (10E6/mm3)	VC	6	8.3400	.30932	.12628	8.0154	8.6646	7.84	8.75
	TD	6	8.7700	.42318	.17276	8.3259	9.2141	8.37	9.41
	AD	6	8.4267	.29750	.12145	8.1145	8.7389	7.98	8.71
	HD	5	8.5560	.30146	.13482	8.1817	8.9303	8.18	8.92
	Total	23	8.5217	.35726	.07449	8.3672	8.6762	7.84	9.41
HGB (g/dl)	VC	6	15.850	.5612	.2291	15.261	16.439	15.3	16.8
	TD	6	16.750	.4416	.1803	16.287	17.213	16.2	17.4
	AD	6	16.500	.4733	.1932	16.003	16.997	15.7	17.0
	HD	5	16.500	.5874	.2627	15.771	17.229	15.9	17.2
	Total	23	16.396	.5920	.1234	16.140	16.652	15.3	17.4
HCT (%)	VC	6	47.200	.9121	.3724	46.243	48.157	45.7	48.3
	TD	6	49.267	2.3830	.9729	46.766	51.767	46.6	52.8
	AD	6	47.733	1.3426	.5481	46.324	49.142	45.3	49.1
	HD	5	48.320	1.1819	.5286	46.852	49.788	46.8	49.6
	Total	23	48.122	1.6681	.3478	47.400	48.843	45.3	52.8
MCV (µm3)	VC	6	56.667	1.0558	.4310	55.559	57.775	55.2	58.3
	TD	6	56.167	.5922	.2418	55.545	56.788	55.5	57.0
	AD	6	56.650	.8916	.3640	55.714	57.586	55.3	57.8
	HD	5	56.480	1.1256	.5034	55.082	57.878	55.3	58.1
	Total	23	56.491	.8878	.1851	56.107	56.875	55.2	58.3
MCH (pg)	VC	6	19.033	.9501	.3879	18.036	20.030	17.8	20.1
	TD	6	19.117	.6210	.2535	18.465	19.768	18.5	19.9
	AD	6	19.617	.3869	.1579	19.211	20.023	19.2	20.3
	HD	5	19.280	.2490	.1114	18.971	19.589	18.9	19.5
	Total	23	19.261	.6265	.1306	18.990	19.532	17.8	20.3
MCHC (g/dl)	VC	6	33.583	1.3949	.5695	32.120	35.047	32.2	35.2
	TD	6	34.033	1.2242	.4998	32.749	35.318	32.4	35.5
	AD	6	34.617	.6524	.2664	33.932	35.301	33.9	35.5
	HD	5	34.160	.4722	.2112	33.574	34.746	33.6	34.9
	Total	23	34.096	1.0333	.2155	33.649	34.542	32.2	35.5
CHMC (g/dl)	VC	6	31.567	.4676	.1909	31.076	32.057	31.0	32.3
	TD	6	31.317	.6463	.2638	30.638	31.995	30.3	32.1
	AD	6	31.400	.5404	.2206	30.833	31.967	30.9	32.3
	HD	5	31.660	.5683	.2542	30.954	32.366	31.1	32.4
	Total	23	31.478	.5368	.1119	31.246	31.710	30.3	32.4
CH (pg)	VC	6	17.800	.2898	.1183	17.496	18.104	17.4	18.1
	TD	6	17.517	.3817	.1558	17.116	17.917	16.9	17.8
	AD	6	17.733	.2805	.1145	17.439	18.028	17.4	18.1
	HD	5	17.760	.1817	.0812	17.534	17.986	17.5	18.0
	Total	23	17.700	.2985	.0622	17.571	17.829	16.9	18.1
RDW (%)	VC	6	13.233	1.0501	.4287	12.131	14.335	11.3	14.1
	TD	6	13.100	1.2198	.4980	11.820	14.380	11.6	14.6
	AD	6	12.833	.6623	.2704	12.138	13.528	11.9	13.5
	HD	5	13.640	.8173	.3655	12.625	14.655	12.4	14.6
	Total	23	13.183	.9452	.1971	12.774	13.591	11.3	14.6
HDW (g/dl)	VC	6	2.8217	.17128	.06992	2.6419	3.0014	2.52	3.04
	TD	6	2.7067	.35240	.14387	2.3368	3.0765	2.27	3.09
	AD	6	2.6150	.35343	.14429	2.2441	2.9859	2.18	3.07
	HD	5	2.8560	.24866	.11120	2.5473	3.1647	2.43	3.07
	Total	23	2.7452	.28972	.06041	2.6199	2.8705	2.18	3.09

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Descriptives-Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
PLT (10E3/mm3)	VC	6	1202.83	191.464	78.165	1001.90	1403.76	967	1419
	TD	6	1082.50	164.786	67.273	909.57	1255.43	791	1215
	AD	6	1105.17	114.880	46.899	984.61	1225.73	966	1226
	HD	5	1086.40	223.081	99.765	809.41	1363.39	730	1344
	Total	23	1120.65	170.650	35.583	1046.86	1194.45	730	1419
MPV (µm3)	VC	6	9.550	.7176	.2930	8.797	10.303	8.8	10.5
	TD	6	9.700	.8649	.3531	8.792	10.608	8.8	11.1
	AD	6	9.533	.5645	.2305	8.941	10.126	9.0	10.5
	HD	5	9.440	.3050	.1364	9.061	9.819	9.1	9.8
	Total	23	9.561	.6207	.1294	9.292	9.829	8.8	11.1
Cellular HGB (g/dl)	VC	6	14.883	.4355	.1778	14.426	15.340	14.2	15.4
	TD	6	15.417	.4355	.1778	14.960	15.874	14.9	16.0
	AD	6	14.983	.4070	.1662	14.556	15.410	14.3	15.5
	HD	5	15.300	.4690	.2098	14.718	15.882	14.8	16.0
	Total	23	15.139	.4639	.0967	14.939	15.340	14.2	16.0
Neutrophils (%)	VC	6	20.17	3.971	1.621	16.00	24.33	15	27
	TD	6	19.50	5.577	2.277	13.65	25.35	10	27
	AD	6	18.67	4.844	1.978	13.58	23.75	14	25
	HD	5	21.60	4.561	2.040	15.94	27.26	16	28
	Total	23	19.91	4.572	.953	17.94	21.89	10	28
Lymphocytes (%)	VC	6	74.83	4.535	1.851	70.07	79.59	67	80
	TD	6	76.17	5.269	2.151	70.64	81.70	69	85
	AD	6	76.50	4.506	1.839	71.77	81.23	71	82
	HD	5	74.00	4.637	2.074	68.24	79.76	68	80
	Total	23	75.43	4.531	.945	73.48	77.39	67	85
Monocytes (%)	VC	6	3.50	1.049	.428	2.40	4.60	2	5
	TD	6	3.33	.516	.211	2.79	3.88	3	4
	AD	6	3.50	.548	.224	2.93	4.07	3	4
	HD	5	3.20	.837	.374	2.16	4.24	2	4
	Total	23	3.39	.722	.151	3.08	3.70	2	5
Eosinophils (%)	VC	6	1.50	.548	.224	.93	2.07	1	2
	TD	6	1.00	.000	.000	1.00	1.00	1	1
	AD	6	1.33	.516	.211	.79	1.88	1	2
	HD	5	1.20	.447	.200	.64	1.76	1	2
	Total	23	1.26	.449	.094	1.07	1.46	1	2
Basophils (%)	VC	6	.00	.000	.000	.00	.00	0	0
	TD	6	.00	.000	.000	.00	.00	0	0
	AD	6	.00	.000	.000	.00	.00	0	0
	HD	5	.00	.000	.000	.00	.00	0	0
	Total	23	.00	.000	.000	.00	.00	0	0

a. Euthaniztion = 60th day(Final)

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
WBC (10E3/mm3)	.091	3	19	.964
RBC (10E6/mm3)	.518	3	19	.675
HGB (g/dl)	.351	3	19	.789
HCT (%)	2.450	3	19	.095
MCV (µm3)	.572	3	19	.640
MCH (pg)	10.720	3	19	.000
MCHC (g/dl)	7.171	3	19	.002
CHMC (g/dl)	.208	3	19	.890
CH (pg)	1.499	3	19	.247
RDW (%)	1.654	3	19	.211
HDW (g/dl)	2.965	3	19	.058
PLT (10E3/mm3)	.378	3	19	.770
MPV (µm3)	1.141	3	19	.358
Cellular HGB (g/dl)	.102	3	19	.958
Neutrophils (%)	.279	3	19	.840
Lymphocytes (%)	.052	3	19	.984
Monocytes (%)	1.530	3	19	.239
Eosinophils (%)	13.088	3	19	.000
Basophils (%)	.	3	.	.

a. Euthaniztion = 60th day(Final)

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
WBC (10E3/mm3)	Between Groups	10.495	3	3.498	.443	.725
	Within Groups	149.911	19	7.890		
	Total	160.405	22			
RBC (10E6/mm3)	Between Groups	.628	3	.209	1.825	.177
	Within Groups	2.180	19	.115		
	Total	2.808	22			
HGB (g/dl)	Between Groups	2.660	3	.887	3.335	.041
	Within Groups	5.050	19	.266		
	Total	7.710	22			
HCT (%)	Between Groups	14.064	3	4.688	1.889	.166
	Within Groups	47.155	19	2.482		
	Total	61.219	22			
MCV (µm3)	Between Groups	.969	3	.323	.375	.772
	Within Groups	16.370	19	.862		
	Total	17.338	22			
MCH (pg)	Between Groups	1.197	3	.399	1.019	.406
	Within Groups	7.438	19	.391		
	Total	8.635	22			
MCHC (g/dl)	Between Groups	3.248	3	1.083	1.016	.407
	Within Groups	20.242	19	1.065		
	Total	23.490	22			

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
CHMC (g/dl)	Between Groups	.405	3	.135	.433	.732
	Within Groups	5.934	19	.312		
	Total	6.339	22			
CH (pg)	Between Groups	.286	3	.095	1.084	.380
	Within Groups	1.674	19	.088		
	Total	1.960	22			
RDW (%)	Between Groups	1.834	3	.611	.652	.591
	Within Groups	17.819	19	.938		
	Total	19.653	22			
HDW (g/dl)	Between Groups	.207	3	.069	.800	.509
	Within Groups	1.639	19	.086		
	Total	1.847	22			
PLT (10E3/mm3)	Between Groups	56560.851	3	18853.617	.613	.615
	Within Groups	584112.37	19	30742.756		
	Total	640673.22	22			
MPV (µm3)	Between Groups	.194	3	.065	.149	.929
	Within Groups	8.280	19	.436		
	Total	8.475	22			
Cellular HGB (g/dl)	Between Groups	1.130	3	.377	1.985	.150
	Within Groups	3.605	19	.190		
	Total	4.735	22			
Neutrophils (%)	Between Groups	24.959	3	8.320	.364	.780
	Within Groups	434.867	19	22.888		
	Total	459.826	22			
Lymphocytes (%)	Between Groups	22.486	3	7.495	.332	.802
	Within Groups	429.167	19	22.588		
	Total	451.652	22			
Monocytes (%)	Between Groups	.345	3	.115	.196	.898
	Within Groups	11.133	19	.586		
	Total	11.478	22			
Eosinophils (%)	Between Groups	.801	3	.267	1.397	.274
	Within Groups	3.633	19	.191		
	Total	4.435	22			
Basophils (%)	Between Groups	.000	3	.000		
	Within Groups	.000	19	.000		
	Total	.000	22			

a. Euthaniztion = 60th day(Final)

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
WBC (10E3/mm3)	TD	VC	1.02667	1.62173	.864	-3.1165	5.1698
	AD	VC	-.62167	1.62173	.964	-4.7648	3.5215
	HD	VC	.88133	1.70089	.918	-3.4640	5.2267
RBC (10E6/mm3)	TD	VC	.43000	.19556	.101	-.0696	.9296
	AD	VC	.08667	.19556	.946	-.4129	.5863
	HD	VC	.21600	.20510	.601	-.3080	.7400
HGB (g/dl)	TD	VC	.9000*	.2977	.019	.140	1.660
	AD	VC	.6500	.2977	.104	-.110	1.410
	HD	VC	.6500	.3122	.125	-.148	1.448
HCT (%)	TD	VC	2.0667	.9095	.088	-.257	4.390
	AD	VC	.5333	.9095	.888	-1.790	2.857
	HD	VC	1.1200	.9539	.522	-1.317	3.557
MCV (µm3)	TD	VC	-.5000	.5359	.681	-1.869	.869
	AD	VC	-.0167	.5359	1.000	-1.386	1.352
	HD	VC	-.1867	.5621	.976	-1.623	1.249
MCH (pg)	TD	VC	.0833	.3612	.991	-.840	1.006
	AD	VC	.5833	.3612	.280	-.340	1.506
	HD	VC	.2467	.3789	.855	-.721	1.215
MCHC (g/dl)	TD	VC	.4500	.5959	.795	-1.072	1.972
	AD	VC	1.0333	.5959	.231	-.489	2.556
	HD	VC	.5767	.6250	.688	-1.020	2.173
CHMC (g/dl)	TD	VC	-.2500	.3226	.783	-1.074	.574
	AD	VC	-.1667	.3226	.919	-.991	.658
	HD	VC	.0933	.3384	.986	-.771	.958
CH (pg)	TD	VC	-.2833	.1714	.263	-.721	.154
	AD	VC	-.0667	.1714	.962	-.504	.371
	HD	VC	-.0400	.1797	.992	-.499	.419
RDW (%)	TD	VC	-.1333	.5591	.991	-1.562	1.295
	AD	VC	-.4000	.5591	.819	-1.828	1.028
	HD	VC	.4067	.5864	.832	-1.091	1.905
HDW (g/dl)	TD	VC	-.11500	.16960	.840	-.5483	.3183
	AD	VC	-.20667	.16960	.494	-.6399	.2266
	HD	VC	.03433	.17787	.995	-.4201	.4888
PLT (10E3/mm3)	TD	VC	-120.333	101.230	.513	-378.95	138.29
	AD	VC	-97.667	101.230	.660	-356.29	160.95
	HD	VC	-116.433	106.171	.572	-387.68	154.81
MPV (µm3)	TD	VC	.1500	.3811	.961	-.824	1.124
	AD	VC	-.0167	.3811	1.000	-.990	.957
	HD	VC	-.1100	.3997	.986	-1.131	.911
Cellular HGB (g/dl)	TD	VC	.5333	.2515	.117	-.109	1.176
	AD	VC	.1000	.2515	.960	-.542	.742
	HD	VC	.4167	.2638	.296	-.257	1.091
Neutrophils (%)	TD	VC	-.667	2.762	.990	-7.72	6.39
	AD	VC	-1.500	2.762	.908	-8.56	5.56
	HD	VC	1.433	2.897	.927	-5.97	8.83
Lymphocytes (%)	TD	VC	1.333	2.744	.931	-5.68	8.34
	AD	VC	1.667	2.744	.877	-5.34	8.68
	HD	VC	-.833	2.878	.983	-8.19	6.52
Monocytes (%)	TD	VC	-.167	.442	.965	-1.30	.96
	AD	VC	.000	.442	1.000	-1.13	1.13

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Test group	(J) Test group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Monocytes (%)	HD	VC	-.300	.464	.857	-1.48	.88
Eosinophils (%)	TD	VC	-.500	.252	.151	-1.15	.15
	AD	VC	-.167	.252	.850	-.81	.48
	HD	VC	-.300	.265	.548	-.98	.38

*. The mean difference is significant at the .05 level.

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. Euthaniztion = 60th day(Final)

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

NPar Tests

Kruskal-Wallis Test

Ranks[a]

	Test group	N	Mean Rank
MCH (pg)	VC	6	11.25
	TD	6	10.67
	AD	6	15.42
	HD	5	10.40
	Total	23	
MCHC (g/dl)	VC	6	9.75
	TD	6	11.83
	AD	6	15.17
	HD	5	11.10
	Total	23	
Eosinophils (%)	VC	6	14.75
	TD	6	9.00
	AD	6	12.83
	HD	5	11.30
	Total	23	

a. Euthaniztion = 60th day(Final)

Test Statistics[a,b,c]

	MCH (pg)	MCHC (g/dl)	Eosinophils (%)
Chi-Square	2.122	2.064	3.976
df	3	3	3
Asymp. Sig.	.547	.559	.264

a. Kruskal Wallis Test

b. Grouping Variable: Test group

c. Euthaniztion = 60th day(Final)

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Mann-Whitney Test

Ranks[a]

	Test group	N	Mean Rank	Sum of Ranks
MCH (pg)	VC	6	6.33	38.00
	TD	6	6.67	40.00
	Total	12		
MCHC (g/dl)	VC	6	5.75	34.50
	TD	6	7.25	43.50
	Total	12		
Eosinophils (%)	VC	6	8.00	48.00
	TD	6	5.00	30.00
	Total	12		

a. Euthaniztion = 60th day(Final)

Test Statistics[b,c]

	MCH (pg)	MCHC (g/dl)	Eosinophils (%)
Mann-Whitney U	17.000	13.500	9.000
Wilcoxon W	38.000	34.500	30.000
Z	-.161	-.723	-1.915
Asymp. Sig. (2-tailed)	.872	.470	.056
Exact Sig. [2*(1-tailed Sig.)]	.937[a]	.485[a]	.180[a]

a. Not corrected for ties.

b. Grouping Variable: Test group

c. Euthaniztion = 60th day(Final)

Ranks[a]

	Test group	N	Mean Rank	Sum of Ranks
MCH (pg)	VC	6	5.92	35.50
	AD	6	7.08	42.50
	Total	12		
MCHC (g/dl)	VC	6	5.33	32.00
	AD	6	7.67	46.00
	Total	12		
Eosinophils (%)	VC	6	7.00	42.00
	AD	6	6.00	36.00
	Total	12		

a. Euthaniztion = 60th day(Final)

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Test Statistics[b,c]

	MCH (pg)	MCHC (g/dl)	Eosinophils (%)
Mann-Whitney U	14.500	11.000	15.000
Wilcoxon W	35.500	32.000	36.000
Z	-.562	-1.123	-.561
Asymp. Sig. (2-tailed)	.574	.261	.575
Exact Sig. [2*(1-tailed Sig.)]	.589[a]	.310[a]	.699[a]

a. Not corrected for ties.

b. Grouping Variable: Test group

c. Euthaniztion = 60th day(Final)

Ranks[a]

	Test group	N	Mean Rank	Sum of Ranks
MCH (pg)	VC	6	6.00	36.00
	HD	5	6.00	30.00
	Total	11		
MCHC (g/dl)	VC	6	5.67	34.00
	HD	5	6.40	32.00
	Total	11		
Eosinophils (%)	VC	6	6.75	40.50
	HD	5	5.10	25.50
	Total	11		

a. Euthaniztion = 60th day(Final)

Test Statistics[b,c]

	MCH (pg)	MCHC (g/dl)	Eosinophils (%)
Mann-Whitney U	15.000	13.000	10.500
Wilcoxon W	30.000	34.000	25.500
Z	.000	-.366	-.982
Asymp. Sig. (2-tailed)	1.000	.714	.326
Exact Sig. [2*(1-tailed Sig.)]	1.000[a]	.792[a]	.429[a]

a. Not corrected for ties.

b. Grouping Variable: Test group

c. Euthaniztion = 60th day(Final)

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Descriptives-Colostrum Sub Chronic Sprawley MALE Rats HAEMATOLOGY[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
WBC (10E3/mm3)	VC	3	11.0433	2.49233	1.43895	4.8520	17.2346	9.39	13.91
	TD	3	13.7033	1.22001	.70438	10.6727	16.7340	12.48	14.92
	AD	3	11.3733	3.56724	2.05955	2.5118	20.2349	7.31	13.99
	HD	3	13.0633	1.05097	.60678	10.4526	15.6741	12.25	14.25
	Total	12	12.2958	2.29683	.66304	10.8365	13.7552	7.31	14.92
RBC (10E6/mm3)	VC	3	8.4933	.22279	.12863	7.9399	9.0468	8.35	8.75
	TD	3	9.1000	.32604	.18824	8.2901	9.9099	8.76	9.41
	AD	3	8.5500	.24331	.14048	7.9456	9.1544	8.27	8.71
	HD	3	8.4867	.31005	.17901	7.7165	9.2569	8.18	8.80
	Total	12	8.6575	.35841	.10346	8.4298	8.8852	8.18	9.41
HGB (g/dl)	VC	3	15.433	.1155	.0667	15.146	15.720	15.3	15.5
	TD	3	16.900	.6245	.3606	15.349	18.451	16.2	17.4
	AD	3	16.533*	.3055	.1764	15.774	17.292	16.2	16.8
	HD	3	16.467**	.5132	.2963	15.192	17.741	15.9	16.9
	Total	12	16.333	.6800	.1963	15.901	16.765	15.3	17.4
HCT (%)	VC	3	47.767	.4619	.2667	46.619	48.914	47.5	48.3
	TD	3	51.167	1.4844	.8570	47.479	54.854	49.9	52.8
	AD	3	48.567	.6807	.3930	46.876	50.258	47.8	49.1
	HD	3	48.500	1.0536	.6083	45.883	51.117	47.5	49.6
	Total	12	49.000	1.5937	.4601	47.987	50.013	47.5	52.8
MCV (µm3)	VC	3	56.300	.9644	.5568	53.904	58.696	55.2	57.0
	TD	3	56.200	.7550	.4359	54.325	58.075	55.5	57.0
	AD	3	56.800	.8660	.5000	54.649	58.951	56.3	57.8
	HD	3	57.167	.8622	.4978	55.025	59.308	56.4	58.1
	Total	12	56.617	.8430	.2433	56.081	57.152	55.2	58.1
MCH (pg)	VC	3	18.200	.3606	.2082	17.304	19.096	17.8	18.5
	TD	3	18.567	.1155	.0667	18.280	18.854	18.5	18.7
	AD	3	19.367**	.2082	.1202	18.850	19.884	19.2	19.6
	HD	3	19.400**	.1732	.1000	18.970	19.830	19.2	19.5
	Total	12	18.883	.5750	.1660	18.518	19.249	17.8	19.6
MCHC (g/dl)	VC	3	32.333	.2309	.1333	31.760	32.907	32.2	32.6
	TD	3	33.033	.6506	.3756	31.417	34.650	32.4	33.7
	AD	3	34.100**	.2000	.1155	33.603	34.597	33.9	34.3
	HD	3	33.967**	.3215	.1856	33.168	34.765	33.6	34.2
	Total	12	33.358	.8240	.2379	32.835	33.882	32.2	34.3
CHMC (g/dl)	VC	3	31.367	.3512	.2028	30.494	32.239	31.0	31.7
	TD	3	30.833	.4619	.2667	29.686	31.981	30.3	31.1
	AD	3	30.967	.0577	.0333	30.823	31.110	30.9	31.0
	HD	3	31.267	.2082	.1202	30.750	31.784	31.1	31.5
	Total	12	31.108	.3476	.1003	30.887	31.329	30.3	31.7
CH (pg)	VC	3	17.567	.2082	.1202	17.050	18.084	17.4	17.8
	TD	3	17.233	.3512	.2028	16.361	18.106	16.9	17.6
	AD	3	17.533	.2309	.1333	16.960	18.107	17.4	17.8
	HD	3	17.767	.2517	.1453	17.142	18.392	17.5	18.0
	Total	12	17.525	.3019	.0871	17.333	17.717	16.9	18.0
RDW (%)	VC	3	13.800	.3000	.1732	13.055	14.545	13.5	14.1
	TD	3	14.167	.4041	.2333	13.163	15.171	13.8	14.6
	AD	3	13.133	.4726	.2728	11.959	14.307	12.6	13.5
	HD	3	14.000	.6000	.3464	12.510	15.490	13.4	14.6
	Total	12	13.775	.5659	.1634	13.415	14.135	12.6	14.6
HDW (g/dl)	VC	3	2.8600	.03606	.02082	2.7704	2.9496	2.83	2.90
	TD	3	3.0200	.06557	.03786	2.8571	3.1829	2.96	3.09
	AD	3	2.9000	.17521	.10116	2.4647	3.3353	2.72	3.07
	HD	3	2.9900	.07550	.04359	2.8025	3.1775	2.92	3.07
	Total	12	2.9425	.11063	.03194	2.8722	3.0128	2.72	3.09

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Descriptives-Colostrum Sub Chronic Sprawley MALE Rats HAEMATOLOGY[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
PLT (10E3/mm3)	VC	3	1282.00	85.715	49.487	1069.07	1494.93	1221	1380
	TD	3	1130.33	128.068	73.940	812.20	1448.47	983	1215
	AD	3	1126.33	140.215	80.953	778.02	1474.65	966	1226
	HD	3	1206.67	119.643	69.076	909.46	1503.88	1125	1344
	Total	12	1186.33	122.233	35.286	1108.67	1264.00	966	1380
MPV (µm3)	VC	3	9.033	.2082	.1202	8.516	9.550	8.8	9.2
	TD	3	10.167*	.8083	.4667	8.159	12.175	9.7	11.1
	AD	3	9.467	.4163	.2404	8.432	10.501	9.0	9.8
	HD	3	9.233	.1528	.0882	8.854	9.613	9.1	9.4
	Total	12	9.475	.6017	.1737	9.093	9.857	8.8	11.1
Cellular HGB (g/dl)	VC	3	14.967	.3055	.1764	14.208	15.726	14.7	15.3
	TD	3	15.767*	.2517	.1453	15.142	16.392	15.5	16.0
	AD	3	15.033	.2082	.1202	14.516	15.550	14.8	15.2
	HD	3	15.167	.3512	.2028	14.294	16.039	14.8	15.5
	Total	12	15.233	.4097	.1183	14.973	15.494	14.7	16.0
Neutrophils (%)	VC	3	20.67	6.028	3.480	5.69	35.64	15	27
	TD	3	17.33	6.429	3.712	1.36	33.30	10	22
	AD	3	16.00	2.646	1.528	9.43	22.57	14	19
	HD	3	20.00	4.000	2.309	10.06	29.94	16	24
	Total	12	18.50	4.719	1.362	15.50	21.50	10	27
Lymphocytes (%)	VC	3	73.33	6.506	3.756	57.17	89.50	67	80
	TD	3	78.33	5.859	3.383	63.78	92.89	74	85
	AD	3	79.00	3.606	2.082	70.04	87.96	75	82
	HD	3	75.33	4.509	2.603	64.13	86.53	71	80
	Total	12	76.50	5.072	1.464	73.28	79.72	67	85
Monocytes (%)	VC	3	4.00	1.000	.577	1.52	6.48	3	5
	TD	3	3.33	.577	.333	1.90	4.77	3	4
	AD	3	3.67	.577	.333	2.23	5.10	3	4
	HD	3	3.67	.577	.333	2.23	5.10	3	4
	Total	12	3.67	.651	.188	3.25	4.08	3	5
Eosinophils (%)	VC	3	2.00	.000	.000	2.00	2.00	2	2
	TD	3	1.00*	.000	.000	1.00	1.00	1	1
	AD	3	1.33	.577	.333	-.10	2.77	1	2
	HD	3	1.00*	.000	.000	1.00	1.00	1	1
	Total	12	1.33	.492	.142	1.02	1.65	1	2
Basophils (%)	VC	3	.00	.000	.000	.00	.00	0	0
	TD	3	.00	.000	.000	.00	.00	0	0
	AD	3	.00	.000	.000	.00	.00	0	0
	HD	3	.00	.000	.000	.00	.00	0	0
	Total	12	.00	.000	.000	.00	.00	0	0

*. Significantly different from Vehicle control at P<0.05

**. Significantly different from Vehicle control at P<0.01

a. Euthaniztion = 60th day(Final)

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Descriptives-Colostrum Sub Chronic Sprawley FEMALE Rats HAEMATOLOGY[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
WBC (10E3/mm3)	VC	3	9.8100	3.87152	2.23523	.1926	19.4274	7.52	14.28
	TD	3	9.2033	1.33425	.77033	5.8889	12.5178	7.67	10.10
	AD	3	8.2367	1.10183	.63614	5.4996	10.9738	6.99	9.08
	HD	2	8.6750	.60104	.42500	3.2749	14.0751	8.25	9.10
	Total	11	9.0091	2.00943	.60586	7.6591	10.3590	6.99	14.28
RBC (10E6/mm3)	VC	3	8.1867	.34501	.19919	7.3296	9.0437	7.84	8.53
	TD	3	8.4400	.12124	.07000	8.1388	8.7412	8.37	8.58
	AD	3	8.3033	.34122	.19701	7.4557	9.1510	7.98	8.66
	HD	2	8.6600	.36770	.26000	5.3564	11.9636	8.40	8.92
	Total	11	8.3736	.30536	.09207	8.1685	8.5788	7.84	8.92
HGB (g/dl)	VC	3	16.267	.5033	.2906	15.016	17.517	15.8	16.8
	TD	3	16.600	.1732	.1000	16.170	17.030	16.4	16.7
	AD	3	16.467	.6807	.3930	14.776	18.158	15.7	17.0
	HD	2	16.550	.9192	.6500	8.291	24.809	15.9	17.2
	Total	11	16.464	.5025	.1515	16.126	16.801	15.7	17.2
HCT (%)	VC	3	46.633	.9504	.5487	44.272	48.994	45.7	47.6
	TD	3	47.367	1.0786	.6227	44.687	50.046	46.6	48.6
	AD	3	46.900	1.4000	.8083	43.422	50.378	45.3	47.9
	HD	2	48.050	1.7678	1.2500	32.167	63.933	46.8	49.3
	Total	11	47.164	1.1801	.3558	46.371	47.956	45.3	49.3
MCV (µm3)	VC	3	57.033	1.2055	.6960	54.039	60.028	55.9	58.3
	TD	3	56.133	.5508	.3180	54.765	57.501	55.6	56.7
	AD	3	56.500	1.0817	.6245	53.813	59.187	55.3	57.4
	HD	2	55.450	.2121	.1500	53.544	57.356	55.3	55.6
	Total	11	56.355	.9554	.2881	55.713	56.996	55.3	58.3
MCH (pg)	VC	3	19.867	.2082	.1202	19.350	20.384	19.7	20.1
	TD	3	19.667	.2082	.1202	19.150	20.184	19.5	19.9
	AD	3	19.867	.3786	.2186	18.926	20.807	19.6	20.3
	HD	2	19.100*	.2828	.2000	16.559	21.641	18.9	19.3
	Total	11	19.673	.3771	.1137	19.419	19.926	18.9	20.3
MCHC (g/dl)	VC	3	34.833	.3512	.2028	33.961	35.706	34.5	35.2
	TD	3	35.033	.5686	.3283	33.621	36.446	34.4	35.5
	AD	3	35.133	.4726	.2728	33.959	36.307	34.6	35.5
	HD	2	34.450	.6364	.4500	28.732	40.168	34.0	34.9
	Total	11	34.900	.4879	.1471	34.572	35.228	34.0	35.5
CHMC (g/dl)	VC	3	31.767	.5508	.3180	30.399	33.135	31.2	32.3
	TD	3	31.800	.3606	.2082	30.904	32.696	31.4	32.1
	AD	3	31.833	.4041	.2333	30.829	32.837	31.6	32.3
	HD	2	32.250	.2121	.1500	30.344	34.156	32.1	32.4
	Total	11	31.882	.3970	.1197	31.615	32.149	31.2	32.4
CH (pg)	VC	3	18.033	.0577	.0333	17.890	18.177	18.0	18.1
	TD	3	17.800*	.0000	.0000	17.800	17.800	17.8	17.8
	AD	3	17.933	.1528	.0882	17.554	18.313	17.8	18.1
	HD	2	17.750*	.0707	.0500	17.115	18.385	17.7	17.8
	Total	11	17.891	.1375	.0415	17.799	17.983	17.7	18.1
RDW (%)	VC	3	12.667	1.3051	.7535	9.425	15.909	11.3	13.9
	TD	3	12.033	.3786	.2186	11.093	12.974	11.6	12.3
	AD	3	12.533	.7767	.4485	10.604	14.463	11.9	13.4
	HD	2	13.100	.9899	.7000	4.206	21.994	12.4	13.8
	Total	11	12.536	.8559	.2581	11.961	13.111	11.3	13.9
HDW (g/dl)	VC	3	2.7833	.26006	.15015	2.1373	3.4294	2.52	3.04
	TD	3	2.3933	.10786	.06227	2.1254	2.6613	2.27	2.47
	AD	3	2.3300	.19468	.11240	1.8464	2.8136	2.18	2.55
	HD	2	2.6550	.31820	.22500	-.2039	5.5139	2.43	2.88
	Total	11	2.5300	.27118	.08176	2.3478	2.7122	2.18	3.04

Colostrum Sub Chronic Sprawley Rats HAEMATOLOGY

Descriptives-Colostrum Sub Chronic Sprawley FEMALE Rats HAEMATOLOGY[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
PLT (10E3/mm3)	VC	3	1123.67	255.924	147.758	487.92	1759.42	967	1419
	TD	3	1034.67	211.235	121.957	509.93	1559.40	791	1166
	AD	3	1084.00	109.494	63.217	812.00	1356.00	969	1187
	HD	2	906.00	248.902	176.000	-1330.29	3142.29	730	1082
	Total	11	1049.00	191.854	57.846	920.11	1177.89	730	1419
MPV (µm3)	VC	3	10.067	.6658	.3844	8.413	11.721	9.3	10.5
	TD	3	9.233	.7506	.4333	7.369	11.098	8.8	10.1
	AD	3	9.600	.7810	.4509	7.660	11.540	9.1	10.5
	HD	2	9.750	.0707	.0500	9.115	10.385	9.7	9.8
	Total	11	9.655	.6563	.1979	9.214	10.095	8.8	10.5
Cellular HGB (g/dl)	VC	3	14.800	.6000	.3464	13.310	16.290	14.2	15.4
	TD	3	15.067	.2082	.1202	14.550	15.584	14.9	15.3
	AD	3	14.933	.6028	.3480	13.436	16.431	14.3	15.5
	HD	2	15.500	.7071	.5000	9.147	21.853	15.0	16.0
	Total	11	15.036	.5163	.1557	14.690	15.383	14.2	16.0
Neutrophils (%)	VC	3	19.67	1.528	.882	15.87	23.46	18	21
	TD	3	21.67	4.726	2.728	9.93	33.41	18	27
	AD	3	21.33	5.508	3.180	7.65	35.01	15	25
	HD	2	24.00	5.657	4.000	-26.82	74.82	20	28
	Total	11	21.45	4.059	1.224	18.73	24.18	15	28
Lymphocytes (%)	VC	3	76.33	1.528	.882	72.54	80.13	75	78
	TD	3	74.00	4.583	2.646	62.62	85.38	69	78
	AD	3	74.00	4.359	2.517	63.17	84.83	71	79
	HD	2	72.00	5.657	4.000	21.18	122.82	68	76
	Total	11	74.27	3.744	1.129	71.76	76.79	68	79
Monocytes (%)	VC	3	3.00	1.000	.577	.52	5.48	2	4
	TD	3	3.33	.577	.333	1.90	4.77	3	4
	AD	3	3.33	.577	.333	1.90	4.77	3	4
	HD	2	2.50	.707	.500	-3.85	8.85	2	3
	Total	11	3.09	.701	.211	2.62	3.56	2	4
Eosinophils (%)	VC	3	1.00	.000	.000	1.00	1.00	1	1
	TD	3	1.00	.000	.000	1.00	1.00	1	1
	AD	3	1.33	.577	.333	-.10	2.77	1	2
	HD	2	1.50	.707	.500	-4.85	7.85	1	2
	Total	11	1.18	.405	.122	.91	1.45	1	2
Basophils (%)	VC	3	.00	.000	.000	.00	.00	0	0
	TD	3	.00	.000	.000	.00	.00	0	0
	AD	3	.00	.000	.000	.00	.00	0	0
	HD	2	.00	.000	.000	.00	.00	0	0
	Total	11	.00	.000	.000	.00	.00	0	0

*. Significantly different from Vehicle control at P<0.05

a. Euthaniztion = 60th day(Final)

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY

Euthanization = Mid term

Descriptives-COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY-EUTHANIZATION=MID TERM[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Brain	VC	6	1.733	.1506	.0615	1.575	1.891	1.5	1.9
	TD	6	1.733	.1366	.0558	1.590	1.877	1.5	1.9
	AD	5	1.740	.2074	.0927	1.483	1.997	1.6	2.1
	HD	6	1.717	.1835	.0749	1.524	1.909	1.5	1.9
	Total	23	1.730	.1579	.0329	1.662	1.799	1.5	2.1
Heart	VC	6	1.167	.1862	.0760	.971	1.362	1.0	1.4
	TD	6	1.100	.4099	.1673	.670	1.530	.7	1.6
	AD	6	1.067	.2805	.1145	.772	1.361	.7	1.4
	HD	6	.950	.2881	.1176	.648	1.252	.6	1.3
	Total	24	1.071	.2926	.0597	.947	1.194	.6	1.6
Lungs	VC	6	1.900	.6986	.2852	1.167	2.633	1.2	3.1
	TD	6	1.550	.3987	.1628	1.132	1.968	1.2	2.2
	AD	6	1.700	.6573	.2683	1.010	2.390	1.0	2.7
	HD	6	1.700	.4604	.1880	1.217	2.183	1.1	2.3
	Total	24	1.713	.5448	.1112	1.482	1.943	1.0	3.1
Liver	VC	6	7.783	1.6412	.6700	6.061	9.506	6.1	9.9
	TD	6	6.617	1.8378	.7503	4.688	8.545	4.6	9.8
	AD	6	6.950	2.4753	1.0105	4.352	9.548	3.9	10.2
	HD	6	7.233	1.8392	.7509	5.303	9.163	4.5	9.3
	Total	24	7.146	1.8916	.3861	6.347	7.945	3.9	10.2
Spleen	VC	6	.733	.0816	.0333	.648	.819	.7	.9
	TD	6	.633	.2251	.0919	.397	.870	.3	.8
	AD	6	.650	.2588	.1057	.378	.922	.3	.9
	HD	6	.683	.1941	.0792	.480	.887	.5	1.0
	Total	24	.675	.1917	.0391	.594	.756	.3	1.0
Kidney	VC	6	1.983	.3817	.1558	1.583	2.384	1.5	2.5
	TD	6	1.817	.4070	.1662	1.390	2.244	1.3	2.2
	AD	6	1.767	.5164	.2108	1.225	2.309	1.1	2.5
	HD	6	1.750	.3937	.1607	1.337	2.163	1.2	2.2
	Total	24	1.829	.4102	.0837	1.656	2.002	1.1	2.5
Testis	VC	3	6.167	.6028	.3480	4.669	7.664	5.6	6.8
	TD	3	3.833*	1.0970	.6333	1.108	6.558	3.2	5.1
	AD	3	5.400	.4583	.2646	4.262	6.538	4.9	5.8
	HD	3	3.833*	.5508	.3180	2.465	5.201	3.2	4.2
	Total	12	4.808	1.2229	.3530	4.031	5.585	3.2	6.8

*. Significantly different from Vehicle control ay P<0.05

a. Euthanization = Mid term

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Brain	.363	3	19	.781
Heart	1.787	3	20	.182
Lungs	.705	3	20	.560
Liver	.545	3	20	.657
Spleen	3.694	3	20	.029
Kidney	.234	3	20	.871
Testis	2.051	3	8	.185

a. Euthanization = Mid term

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Brain	Between Groups	.002	3	.001	.020	.996
	Within Groups	.547	19	.029		
	Total	.549	22			
Heart	Between Groups	.148	3	.049	.541	.660
	Within Groups	1.822	20	.091		
	Total	1.970	23			
Lungs	Between Groups	.371	3	.124	.383	.766
	Within Groups	6.455	20	.323		
	Total	6.826	23			
Liver	Between Groups	4.395	3	1.465	.376	.771
	Within Groups	77.905	20	3.895		
	Total	82.300	23			
Spleen	Between Groups	.035	3	.012	.288	.833
	Within Groups	.810	20	.041		
	Total	.845	23			
Kidney	Between Groups	.205	3	.068	.372	.774
	Within Groups	3.665	20	.183		
	Total	3.870	23			
Testis	Between Groups	12.289	3	4.096	7.878	.009
	Within Groups	4.160	8	.520		
	Total	16.449	11			

a. Euthanization = Mid term

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY

Post Hoc Tests

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Testgroup	(J) Testgroup	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Brain	TD	VC	.0000	.0980	1.000	-.250	.250
	AD	VC	.0067	.1027	1.000	-.256	.269
	HD	VC	-.0167	.0980	.996	-.267	.234
Heart	TD	VC	-.0667	.1742	.963	-.509	.376
	AD	VC	-.1000	.1742	.892	-.543	.343
	HD	VC	-.2167	.1742	.474	-.659	.226
Lungs	TD	VC	-.3500	.3280	.588	-1.183	.483
	AD	VC	-.2000	.3280	.874	-1.033	.633
	HD	VC	-.2000	.3280	.874	-1.033	.633
Liver	TD	VC	-1.1667	1.1395	.617	-4.061	1.728
	AD	VC	-.8333	1.1395	.807	-3.728	2.061
	HD	VC	-.5500	1.1395	.931	-3.445	2.345
Spleen	TD	VC	-.1000	.1162	.726	-.395	.195
	AD	VC	-.0833	.1162	.815	-.378	.212
	HD	VC	-.0500	.1162	.949	-.345	.245
Kidney	TD	VC	-.1667	.2472	.840	-.795	.461
	AD	VC	-.2167	.2472	.715	-.845	.411
	HD	VC	-.2333	.2472	.670	-.861	.395
Testis	TD	VC	-2.3333*	.5888	.011	-4.029	-.638
	AD	VC	-.7667	.5888	.464	-2.462	.929
	HD	VC	-2.3333*	.5888	.011	-4.029	-.638

*. The mean difference is significant at the .05 level.

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. Euthanization = Mid term

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY

NPar Tests

Kruskal-Wallis Test

Ranks[a]

	Testgroup	N	Mean Rank
Spleen	VC	6	13.67
	TD	6	11.83
	AD	6	12.42
	HD	6	12.08
	Total	24	

a. Euthanization = Mid term

Test Statistics[a,b,c]

	Spleen
Chi-Square	.247
df	3
Asymp. Sig.	.970

a. Kruskal Wallis Test

b. Grouping Variable: Testgroup

c. Euthanization = Mid term

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY

Mann-Whitney Test

Ranks[a]

	Testgroup	N	Mean Rank	Sum of Ranks
Spleen	VC	6	6.58	39.50
	TD	6	6.42	38.50
	Total	12		

a. Euthanization = Mid term

Test Statistics[b,c]

	Spleen
Mann-Whitney U	17.500
Wilcoxon W	38.500
Z	-.086
Asymp. Sig. (2-tailed)	.931
Exact Sig. [2*(1-tailed Sig.)]	.937[a]

a. Not corrected for ties.

b. Grouping Variable: Testgroup

c. Euthanization = Mid term

COLOSTRUM, SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY

Ranks[a]

	Testgroup	N	Mean Rank	Sum of Ranks
Spleen	VC	6	6.83	41.00
	AD	6	6.17	37.00
	Total	12		

a. Euthanization = Mid term

Test Statistics[b,c]

	Spleen
Mann-Whitney U	16.000
Wilcoxon W	37.000
Z	-.335
Asymp. Sig. (2-tailed)	.738
Exact Sig. [2*(1-tailed Sig.)]	.818[a]

a. Not corrected for ties.

b. Grouping Variable: Testgroup

c. Euthanization = Mid term

Test Statistics[b,c]

	Spleen
Mann-Whitney U	13.500
Wilcoxon W	34.500
Z	-.771
Asymp. Sig. (2-tailed)	.441
Exact Sig. [2*(1-tailed Sig.)]	.485[a]

a. Not corrected for ties.

b. Grouping Variable: Testgroup

c. Euthanization = Mid term

Descriptives-COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY MALE RATS NECROPSY-EUTHANIZATION=MID TERM[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Brain	VC	3	1.833	.0577	.0333	1.690	1.977	1.8	1.9
	TD	3	1.700	.2000	.1155	1.203	2.197	1.5	1.9
	AD	2	1.650	.0707	.0500	1.015	2.285	1.6	1.7
	HD	3	1.800	.1000	.0577	1.552	2.048	1.7	1.9
	Total	11	1.755	.1293	.0390	1.668	1.841	1.5	1.9
Heart	VC	3	1.300	.1732	.1000	.870	1.730	1.1	1.4
	TD	3	1.400	.3464	.2000	.539	2.261	1.0	1.6
	AD	3	1.300	.1000	.0577	1.052	1.548	1.2	1.4
	HD	3	1.167	.2309	.1333	.593	1.740	.9	1.3
	Total	12	1.292	.2151	.0621	1.155	1.428	.9	1.6
Lungs	VC	3	2.433	.5859	.3383	.978	3.889	2.0	3.1
	TD	3	1.767	.4509	.2603	.647	2.887	1.3	2.2
	AD	3	2.133	.5508	.3180	.765	3.501	1.6	2.7
	HD	3	1.800	.5000	.2887	.558	3.042	1.3	2.3
	Total	12	2.033	.5297	.1529	1.697	2.370	1.3	3.1
Liver	VC	3	9.200	.7550	.4359	7.325	11.075	8.4	9.9
	TD	3	7.600	2.1071	1.2166	2.366	12.834	5.6	9.8
	AD	3	8.933	1.2055	.6960	5.939	11.928	7.8	10.2
	HD	3	8.667	.8505	.4910	6.554	10.779	7.7	9.3
	Total	12	8.600	1.3073	.3774	7.769	9.431	5.6	10.2
Spleen	VC	3	.767	.1155	.0667	.480	1.054	.7	.9
	TD	3	.800	.0000	.0000	.800	.800	.8	.8
	AD	3	.867	.0577	.0333	.723	1.010	.8	.9
	HD	3	.800	.2000	.1155	.303	1.297	.6	1.0
	Total	12	.808	.1084	.0313	.739	.877	.6	1.0
Kidney	VC	3	2.300	.2000	.1155	1.803	2.797	2.1	2.5
	TD	3	2.100	.1000	.0577	1.852	2.348	2.0	2.2
	AD	3	2.167	.3055	.1764	1.408	2.926	1.9	2.5
	HD	3	2.067	.1528	.0882	1.687	2.446	1.9	2.2
	Total	12	2.158	.1975	.0570	2.033	2.284	1.9	2.5
Testis	VC	3	6.167	.6028	.3480	4.669	7.664	5.6	6.8
	TD	3	3.833*	1.0970	.6333	1.108	6.558	3.2	5.1
	AD	3	5.400	.4583	.2646	4.262	6.538	4.9	5.8
	HD	3	3.833*	.5508	.3180	2.465	5.201	3.2	4.2
	Total	12	4.808	1.2229	.3530	4.031	5.585	3.2	6.8

*. Significantly different from Vehicle control at P <0.05

a. Euthanization = Mid term

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY

Descriptives-COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY FEMALE RATS NECROPSY-EUTHANIZATION=MID TERM[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Brain	VC	3	1.633	.1528	.0882	1.254	2.013	1.5	1.8
	TD	3	1.767	.0577	.0333	1.623	1.910	1.7	1.8
	AD	3	1.800	.2646	.1528	1.143	2.457	1.6	2.1
	HD	3	1.633	.2309	.1333	1.060	2.207	1.5	1.9
	Total	12	1.708	.1832	.0529	1.592	1.825	1.5	2.1
Heart	VC	3	1.033	.0577	.0333	.890	1.177	1.0	1.1
	TD	3	.800	.1732	.1000	.370	1.230	.7	1.0
	AD	3	.833	.1528	.0882	.454	1.213	.7	1.0
	HD	3	.733	.1155	.0667	.446	1.020	.6	.8
	Total	12	.850	.1624	.0469	.747	.953	.6	1.1
Lungs	VC	3	1.367	.1528	.0882	.987	1.746	1.2	1.5
	TD	3	1.333	.2309	.1333	.760	1.907	1.2	1.6
	AD	3	1.267	.4619	.2667	.119	2.414	1.0	1.8
	HD	3	1.600	.5000	.2887	.358	2.842	1.1	2.1
	Total	12	1.392	.3397	.0981	1.176	1.607	1.0	2.1
Liver	VC	3	6.367	.3786	.2186	5.426	7.307	6.1	6.8
	TD	3	5.633	1.0504	.6064	3.024	8.243	4.6	6.7
	AD	3	4.967	1.4364	.8293	1.398	8.535	3.9	6.6
	HD	3	5.800	1.2530	.7234	2.687	8.913	4.5	7.0
	Total	12	5.692	1.0766	.3108	5.008	6.376	3.9	7.0
Spleen	VC	3	.700	.0000	.0000	.700	.700	.7	.7
	TD	3	.467	.2082	.1202	-.050	.984	.3	.7
	AD	3	.433	.1528	.0882	.054	.813	.3	.6
	HD	3	.567	.1155	.0667	.280	.854	.5	.7
	Total	12	.542	.1621	.0468	.439	.645	.3	.7
Kidney	VC	3	1.667	.1528	.0882	1.287	2.046	1.5	1.8
	TD	3	1.533	.4041	.2333	.529	2.537	1.3	2.0
	AD	3	1.367	.3055	.1764	.608	2.126	1.1	1.7
	HD	3	1.433	.2517	.1453	.808	2.058	1.2	1.7
	Total	12	1.500	.2763	.0798	1.324	1.676	1.1	2.0

a. Euthanization = Mid term

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY

Euthanization = Final

Descriptives-COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY- EUTHANIZATION=FINAL[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Brain	VC	6	1.717	.4792	.1956	1.214	2.220	.9	2.2
	TD	6	1.917	.2229	.0910	1.683	2.151	1.5	2.1
	AD	6	1.833	.1033	.0422	1.725	1.942	1.7	2.0
	HD	5	1.900	.1000	.0447	1.776	2.024	1.8	2.0
	Total	23	1.839	.2726	.0568	1.721	1.957	.9	2.2
Heart	VC	6	1.767	.8311	.3393	.895	2.639	.7	3.2
	TD	6	1.367	.6593	.2692	.675	2.059	.8	2.5
	AD	6	1.150	.4722	.1928	.654	1.646	.6	1.9
	HD	5	1.280	.4382	.1960	.736	1.824	.7	1.9
	Total	23	1.396	.6314	.1316	1.123	1.669	.6	3.2
Lungs	VC	6	2.033	.7659	.3127	1.230	2.837	1.1	3.0
	TD	6	1.900	.5254	.2145	1.349	2.451	1.1	2.7
	AD	6	2.100	.6293	.2569	1.440	2.760	1.3	2.6
	HD	5	2.380	.5805	.2596	1.659	3.101	1.5	2.9
	Total	23	2.091	.6142	.1281	1.826	2.357	1.1	3.0
Liver	VC	6	7.783	3.1581	1.2893	4.469	11.098	4.4	11.9
	TD	6	6.400	3.0958	1.2639	3.151	9.649	1.5	10.0
	AD	6	8.183	3.0987	1.2650	4.931	11.435	4.4	11.6
	HD	5	7.880	1.9614	.8772	5.445	10.315	5.2	10.5
	Total	23	7.548	2.7993	.5837	6.337	8.758	1.5	11.9
Spleen	VC	6	.883	.2787	.1138	.591	1.176	.6	1.4
	TD	6	.817	.3189	.1302	.482	1.151	.5	1.2
	AD	6	.833	.2805	.1145	.539	1.128	.5	1.2
	HD	5	.800	.2236	.1000	.522	1.078	.5	1.1
	Total	23	.835	.2622	.0547	.721	.948	.5	1.4
Kidney	VC	6	2.233	.7421	.3029	1.455	3.012	1.1	3.0
	TD	6	2.100	.4940	.2017	1.582	2.618	1.4	2.7
	AD	6	2.167	.6653	.2716	1.468	2.865	1.4	2.9
	HD	5	2.080	.3564	.1594	1.638	2.522	1.5	2.4
	Total	23	2.148	.5550	.1157	1.908	2.388	1.1	3.0
Testis	VC	3	5.067	1.5373	.8876	1.248	8.886	3.3	6.1
	TD	3	6.067	.5132	.2963	4.792	7.341	5.5	6.5
	AD	3	4.167	.9074	.5239	1.913	6.421	3.2	5.0
	HD	3	5.600	.2646	.1528	4.943	6.257	5.3	5.8
	Total	12	5.225	1.0881	.3141	4.534	5.916	3.2	6.5

a. Euthanization = Final

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY

Test of Homogeneity of Variances[a]

	Levene Statistic	df1	df2	Sig.
Brain	2.205	3	19	.121
Heart	.640	3	19	.599
Lungs	.676	3	19	.577
Liver	.812	3	19	.503
Spleen	.918	3	19	.451
Kidney	1.943	3	19	.157
Testis	4.022	3	8	.051

a. Euthanization = Final

ANOVA[a]

		Sum of Squares	df	Mean Square	F	Sig.
Brain	Between Groups	.145	3	.048	.615	.613
	Within Groups	1.490	19	.078		
	Total	1.635	22			
Heart	Between Groups	1.260	3	.420	1.063	.388
	Within Groups	7.510	19	.395		
	Total	8.770	22			
Lungs	Between Groups	.657	3	.219	.544	.658
	Within Groups	7.641	19	.402		
	Total	8.298	22			
Liver	Between Groups	11.213	3	3.738	.441	.727
	Within Groups	161.185	19	8.483		
	Total	172.397	22			
Spleen	Between Groups	.022	3	.007	.094	.962
	Within Groups	1.490	19	.078		
	Total	1.512	22			
Kidney	Between Groups	.083	3	.028	.078	.971
	Within Groups	6.695	19	.352		
	Total	6.777	22			
Testis	Between Groups	5.983	3	1.994	2.266	.158
	Within Groups	7.040	8	.880		
	Total	13.023	11			

a. Euthanization = Final

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY

Post Hoc Tests

Multiple Comparisons[b]

Dunnett t (2-sided)[a]

Dependent Variable	(I) Testgroup	(J) Testgroup	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Brain	TD	VC	.2000	.1617	.482	-.213	.613
	AD	VC	.1167	.1617	.815	-.296	.530
	HD	VC	.1833	.1696	.582	-.250	.617
Heart	TD	VC	-.4000	.3630	.569	-1.327	.527
	AD	VC	-.6167	.3630	.245	-1.544	.311
	HD	VC	-.4867	.3807	.457	-1.459	.486
Lungs	TD	VC	-.1333	.3661	.968	-1.069	.802
	AD	VC	.0667	.3661	.996	-.869	1.002
	HD	VC	.3467	.3840	.701	-.634	1.328
Liver	TD	VC	-1.3833	1.6816	.753	-5.679	2.913
	AD	VC	.4000	1.6816	.991	-3.896	4.696
	HD	VC	.0967	1.7637	1.000	-4.409	4.602
Spleen	TD	VC	-.0667	.1617	.955	-.480	.346
	AD	VC	-.0500	.1617	.980	-.463	.363
	HD	VC	-.0833	.1696	.929	-.517	.350
Kidney	TD	VC	-.1333	.3427	.962	-1.009	.742
	AD	VC	-.0667	.3427	.995	-.942	.809
	HD	VC	-.1533	.3594	.951	-1.072	.765
Testis	TD	VC	1.0000	.7659	.462	-1.206	3.206
	AD	VC	-.9000	.7659	.536	-3.106	1.306
	HD	VC	.5333	.7659	.828	-1.672	2.739

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

b. Euthanization = Final

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY

Descriptives-COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY MALE RATS NECROPSY- EUTHANIZATION=FINAL[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Brain	VC	3	1.767	.7506	.4333	-.098	3.631	.9	2.2
	TD	3	2.033	.1155	.0667	1.746	2.320	1.9	2.1
	AD	3	1.900	.1000	.0577	1.652	2.148	1.8	2.0
	HD	3	1.933	.1155	.0667	1.646	2.220	1.8	2.0
	Total	12	1.908	.3450	.0996	1.689	2.128	.9	2.2
Heart	VC	3	1.767	.2517	.1453	1.142	2.392	1.5	2.0
	TD	3	1.833	.6506	.3756	.217	3.450	1.2	2.5
	AD	3	1.500	.3464	.2000	.639	2.361	1.3	1.9
	HD	3	1.533	.3215	.1856	.735	2.332	1.3	1.9
	Total	12	1.658	.3895	.1125	1.411	1.906	1.2	2.5
Lungs	VC	3	2.633	.5508	.3180	1.265	4.001	2.0	3.0
	TD	3	1.967	.1528	.0882	1.587	2.346	1.8	2.1
	AD	3	2.467	.1528	.0882	2.087	2.846	2.3	2.6
	HD	3	2.600	.4359	.2517	1.517	3.683	2.1	2.9
	Total	12	2.417	.4196	.1211	2.150	2.683	1.8	3.0
Liver	VC	3	9.633	3.5019	2.0218	.934	18.333	5.6	11.9
	TD	3	6.967	4.7438	2.7388	-4.818	18.751	1.5	10.0
	AD	3	10.833	1.0786	.6227	8.154	13.513	9.6	11.6
	HD	3	9.067	1.2662	.7311	5.921	12.212	8.1	10.5
	Total	12	9.125	2.9937	.8642	7.223	11.027	1.5	11.9
Spleen	VC	3	1.000	.3606	.2082	.104	1.896	.7	1.4
	TD	3	1.100	.1000	.0577	.852	1.348	1.0	1.2
	AD	3	1.067	.1528	.0882	.687	1.446	.9	1.2
	HD	3	.933	.1528	.0882	.554	1.313	.8	1.1
	Total	12	1.025	.1960	.0566	.900	1.150	.7	1.4
Kidney	VC	3	2.567	.4509	.2603	1.447	3.687	2.1	3.0
	TD	3	2.500	.2000	.1155	2.003	2.997	2.3	2.7
	AD	3	2.733	.1528	.0882	2.354	3.113	2.6	2.9
	HD	3	2.300	.1000	.0577	2.052	2.548	2.2	2.4
	Total	12	2.525	.2768	.0799	2.349	2.701	2.1	3.0
Testis	VC	3	5.067	1.5373	.8876	1.248	8.886	3.3	6.1
	TD	3	6.067	.5132	.2963	4.792	7.341	5.5	6.5
	AD	3	4.167	.9074	.5239	1.913	6.421	3.2	5.0
	HD	3	5.600	.2646	.1528	4.943	6.257	5.3	5.8
	Total	12	5.225	1.0881	.3141	4.534	5.916	3.2	6.5

a. Euthanization = Final

COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY RATS NECROPSY

Descriptives-COLOSTRUM SUB CHRONIC SPRAGUE DAWLEY FEMALE RATS NECROPSY- EUTHANIZATION=FINAL[a]

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Brain	VC	3	1.667	.0577	.0333	1.523	1.810	1.6	1.7
	TD	3	1.800	.2646	.1528	1.143	2.457	1.5	2.0
	AD	3	1.767	.0577	.0333	1.623	1.910	1.7	1.8
	HD	2	1.850	.0707	.0500	1.215	2.485	1.8	1.9
	Total	11	1.764	.1433	.0432	1.667	1.860	1.5	2.0
Heart	VC	3	1.767	1.2897	.7446	-1.437	4.970	.7	3.2
	TD	3	.900	.1000	.0577	.652	1.148	.8	1.0
	AD	3	.800	.2646	.1528	.143	1.457	.6	1.1
	HD	2	.900	.2828	.2000	-1.641	3.441	.7	1.1
	Total	11	1.109	.7327	.2209	.617	1.601	.6	3.2
Lungs	VC	3	1.433	.2887	.1667	.716	2.150	1.1	1.6
	TD	3	1.833	.8083	.4667	-.175	3.841	1.1	2.7
	AD	3	1.733	.7506	.4333	-.131	3.598	1.3	2.6
	HD	2	2.050	.7778	.5500	-4.938	9.038	1.5	2.6
	Total	11	1.736	.6087	.1835	1.327	2.145	1.1	2.7
Liver	VC	3	5.933	1.5503	.8950	2.082	9.784	4.4	7.5
	TD	3	5.833	.7024	.4055	4.089	7.578	5.1	6.5
	AD	3	5.533	1.3317	.7688	2.225	8.841	4.4	7.0
	HD	2	6.100	1.2728	.9000	-5.336	17.536	5.2	7.0
	Total	11	5.827	1.0678	.3220	5.110	6.545	4.4	7.5
Spleen	VC	3	.767	.1528	.0882	.387	1.146	.6	.9
	TD	3	.533	.0577	.0333	.390	.677	.5	.6
	AD	3	.600	.1000	.0577	.352	.848	.5	.7
	HD	2	.600	.1414	.1000	-.671	1.871	.5	.7
	Total	11	.627	.1348	.0407	.537	.718	.5	.9
Kidney	VC	3	1.900	.9165	.5292	-.377	4.177	1.1	2.9
	TD	3	1.700	.3000	.1732	.955	2.445	1.4	2.0
	AD	3	1.600	.3464	.2000	.739	2.461	1.4	2.0
	HD	2	1.750	.3536	.2500	-1.427	4.927	1.5	2.0
	Total	11	1.736	.4864	.1466	1.410	2.063	1.1	2.9

a. Euthanization = Final

Colostrum Sub Chronic SD Rats Histopathology

Euthanization = Mid Term

BRAIN[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	6	100.0

a. Euthanization = Mid Term

HEART[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	6	100.0

a. Euthanization = Mid Term

LUNGS[a]

	Test group			
	VC		HD	
	N	%	N	%
Chronic interstitial pneumonitis grade I	1	16.7		
Chronic interstitial pneumonitis grade II	4	66.7	3	50.0
Chronic interstitial pneumonitis grade III	1	16.7		
CIPn II + Abscess			1	16.7
CIPn III + Peribronchial lymphoid hyperplasia			1	16.7
CIPn I + Peribronchial lymphoid hyperplasia			1	16.7

a. Euthanization = Mid Term

Colostrum Sub Chronic SD Rats Histopathology

LIVER[a]

	Test group			
	VC		HD	
	N	%	N	%
Expanded portal tracts with proliferating bile ductules	1	16.7		
Expanded portal tracts with proliferating bile ductules+Dilated central vein	2	33.3	3	50.0
Ocassional focus of necrosis or focal collection of inflammatory cells+Expanded portal tracts with proliferating bile du	2	33.3		
Ocassional focus of necrosis or focal collection of inflammatory cells + Periportal inflammation + Expanded portal tract	1	16.7	1	16.7
Ocassional focus of necrosis or focal collection of inflammatory cells + Periportal inflammation+Dilated central vein+Pa			1	16.7
Periportal inflammation or inflammatory cell infiltrates+Focal vacuolation+Expanded portal tracts with proliferating bil			1	16.7

a. Euthanization = Mid Term

SPLEEN[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	6	100.0

a. Euthanization = Mid Term

KIDNEYS[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	4	66.7	5	83.3
Focal calcifications	2	33.3	1	16.7

a. Euthanization = Mid Term

Colostrum Sub Chronic SD Rats Histopathology

TESTIS[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	3	100.0	3	100.0

a. Euthanization = Mid Term

UTERUS & OVARIES[a]

		Test group			
		VC		HD	
		N	%	N	%
Uterus & Ovaries	Normal	3	100.0	3	100.0

a. Euthanization = Mid Term

PANCREAS[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	4	100.0

a. Euthanization = Mid Term

SPINAL CORD[a]

		Test group			
		VC		HD	
		N	%	N	%
Spinal cord	Normal	6	100.0	5	100.0

a. Euthanization = Mid Term

THYROID[a]

	Test group	
	HD	
	N	%
Normal	1	100.0

a. Euthanization = Mid Term

TRACHEA[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	1	20.0	1	16.7
Tracheitis	4	80.0	5	83.3

a. Euthanization = Mid Term

Colostrum Sub Chronic SD Rats Histopathology

OESOPHAGUS[a]

		Test group			
		VC		HD	
		N	%	N	%
Oeso-phagus	Normal	6	100.0	5	100.0

a. Euthanization = Mid Term

THYMUS[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	3	100.0

a. Euthanization = Mid Term

AORTA[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	5	100.0	4	100.0

a. Euthanization = Mid Term

ADRENALS[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	5	100.0

a. Euthanization = Mid Term

STOMACH[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	6	100.0

a. Euthanization = Mid Term

SMALLL INTESTINE[a]

		Test group			
		VC		HD	
		N	%	N	%
Small Intestine	Normal	6	100.0	6	100.0

a. Euthanization = Mid Term

Colostrum Sub Chronic SD Rats Histopathology

COLON[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	6	100.0

a. Euthanization = Mid Term

RECTUM[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	5	100.0

a. Euthanization = Mid Term

INJECTION SITE / SKIN[a]

		Test group			
		VC		HD	
		N	%	N	%
Injection site/Skin	Normal	3	100.0	4	100.0

a. Euthanization = Mid Term

STERNUM[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	6	100.0

a. Euthanization = Mid Term

ADIPOSE TISSUE[a]

		Test group			
		VC		HD	
		N	%	N	%
Adipose tissue	Normal	6	100.0	6	100.0

a. Euthanization = Mid Term

Lymph Nodes[a]

		Test group			
		VC		HD	
		N	%	N	%
Lymph nodes	Reactive hyperplasia / sinus histiocytosis	1	100.0	3	100.0

a. Euthanization = Mid Term

Colostrum Sub Chronic SD Rats Histopathology

Euthanization = Final Term

BRAIN[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	5	100.0

a. Euthanization = Final Term

HEART[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	5	100.0

a. Euthanization = Final Term

LUNGS[a]

	Test group			
	VC		HD	
	N	%	N	%
Chronic interstitial pneumonitis grade I	3	50.0	1	20.0
Chronic interstitial pneumonitis grade II	2	33.3	3	60.0
Abscesses			1	20.0
CIPn II + Abscess	1	16.7		

a. Euthanization = Final Term

Colostrum Sub Chronic SD Rats Histopathology

LIVER[a]

	Test group			
	VC		HD	
	N	%	N	%
Ocassional focus of necrosis or focal collection of inflammatory cells + Periportal inflammation + Expanded portal tract	3	50.0	1	20.0
Periportal inflammation or inflammatory cell infiltrates+Focal vacuolation+Expanded portal tracts with proliferating bil	2	33.3		
Ocassional focus of necrosis or focal collection of inflammatory cells + Expanded portal tracts with proliferating bile	1	16.7	2	40.0
Periportal inflammation or inflammatory cell infiltrates+Expanded portal tracts with proliferating bile ductules+Dilated			2	40.0

a. Euthanization = Final Term

SPLEEN[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	5	100.0

a. Euthanization = Final Term

KIDNEYS[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	5	83.3	4	80.0
Focal calcifications	1	16.7	1	20.0

a. Euthanization = Final Term

Colostrum Sub Chronic SD Rats Histopathology

TESTIS[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	3	100.0	3	100.0

a. Euthanization = Final Term

UTERUS & OVARIES[a]

		Test group			
		VC		HD	
		N	%	N	%
Uterus & Ovaries	Normal	3	100.0	2	100.0

a. Euthanization = Final Term

PANCREAS[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	5	100.0

a. Euthanization = Final Term

SPINAL CORD[a]

		Test group			
		VC		HD	
		N	%	N	%
Spinal cord	Normal	6	100.0	4	100.0

a. Euthanization = Final Term

TRACHEA[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	2	33.3		
Tracheitis	4	66.7	5	100.0

a. Euthanization = Final Term

OESOPHAGUS[a]

		Test group			
		VC		HD	
		N	%	N	%
Oeso-phagus	Normal	6	100.0	5	100.0

a. Euthanization = Final Term

Colostrum Sub Chronic SD Rats Histopathology

THYMUS[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	5	100.0	4	100.0

a. Euthanization = Final Term

AORTA[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	5	100.0	5	100.0

a. Euthanization = Final Term

ADRENALS[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	5	100.0

a. Euthanization = Final Term

STOMACH[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	5	100.0

a. Euthanization = Final Term

SMALLL INTESTINE[a]

		Test group			
		VC		HD	
		N	%	N	%
Small Intestine	Normal	6	100.0	5	100.0

a. Euthanization = Final Term

COLON[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	5	100.0

a. Euthanization = Final Term

Colostrum Sub Chronic SD Rats Histopathology

RECTUM[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	5	100.0

a. Euthanization = Final Term

INJECTION SITE / SKIN[a]

		Test group			
		VC		HD	
		N	%	N	%
Injection site/Skin	Normal	4	100.0	4	100.0

a. Euthanization = Final Term

STERNUM[a]

	Test group			
	VC		HD	
	N	%	N	%
Normal	6	100.0	5	100.0

a. Euthanization = Final Term

ADIPOSE TISSUE[a]

		Test group			
		VC		HD	
		N	%	N	%
Adipose tissue	Normal	6	100.0	5	100.0

a. Euthanization = Final Term

Lymph Nodes[a]

		Test group	
		HD	
		N	%
Lymph nodes	Reactive hyperplasia / sinus histiocytosis	1	100.0

a. Euthanization = Final Term