

REPORT No. 2500371
Regulatory Document

DSM 

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Title: Ultrazine FG-R (Food Grade Lignosulphonate): Prenatal Developmental Toxicity Study in the Han Wistar Rat
(Study conducted at RCC Ltd; CH-4414 Füllinsdorf. RCC Study Number A29992)

Project No. 6309

Compound No. Ultrazine FG-R (Food Grade Lignosulphonate), Calcium Lignosulphonate, LS FG DP-955 FGR004

Summary

The purpose of this study was to detect potential effects on the pregnant female rat and development of the embryo and fetus consequent to exposure of the pregnant female to the test item from day 6 post coitum (implantation) to day 21 post coitum (the day of Caesarean section).

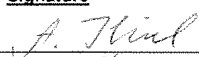


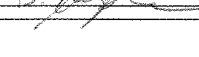
Each group consisted of 22 mated female rats. Ultrazine FG-R (Food Grade Lignosulphonate) was administered orally in the diet *ad libitum* at dose levels of 0, 100, 300, and 1000 mg/kg bw/day. Dietary concentration was adjusted on day 16 post coitum to ensure intended dose levels. The diets with test item were made available at the end of day 5 post coitum to ensure good exposure during day 6, and at the end of day 15 post coitum to ensure good exposure during day 16, respectively. All females were sacrificed on day 21 post coitum (one day prior to delivery) and the fetuses were removed by Caesarean section. Due to technical failure fetuses from mid (7 fetuses in 1 litter) and high (27 fetuses in 5 litters) dose group were damaged and not available for visceral investigation. Thus, an additional control and high dose group were utilized consisting of 22 animals per group. For the additional groups, the full set of investigations was performed. (continued next page)

This report consists of Pages 1-3 and 1-423

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23-Oct-2006, Thiel A

The following results were obtained:

In control, low, mid, and high dose group the following mean test item intakes were achieved: 0, 101, 309, and 1007 mg/kg body weight. In the additional high dose group a test item intake of 971 mg/kg bw/day was obtained. Analysis of the diet revealed that diets were accurately prepared. The test item was distributed homogeneously in the diet and was stable at room temperature for at least 21 days.

No deaths occurred. The treatment with the test item was well tolerated. Neither test item-related clinical signs nor behavioral changes were noted throughout the study. During the whole treatment period, food consumption and body weight development of the dose groups were similar to that of the control groups, respectively. At scheduled necropsy, no test item-related findings were noted. The relevant reproduction data (number of implantation sites, post implantation loss, number of live fetuses and embryo or fetal resorptions) calculated for the dose groups were similar to those of the control group.

The mean fetal weights and sex ratio of fetuses were not considered to be influenced by treatment with the test item. External examination at Caesarean section did not reveal any test item-related findings. Visceral and examination of bones and cartilage did also reveal no test-item related findings.

Conclusion

Under the conditions of this study, the treatment with the test item (admixed in the diet and provided *ad libitum*) was well tolerated up to the limit dose (1000 mg/kg body weight/day) in all dose groups. Mean food consumption and body weight development of dams were similar in all groups. The relevant reproduction data, sex ratios of fetuses and fetal weights were similar in all groups. There were no abnormal embryo or fetal findings which were considered to be related to test item treatment.

The NOEL (No Observed Effect Level) was at the high dose level of 1000 mg/kg body weight/day (i.e. limit dose).

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23-Oct-2006, Thiel A

Nomenclature and Structural Formula

Test Article Name:	Ultrazine FG-R (Food Grade Lignosulphonate)
Chemical Name:	Calcium Lignosulphonate
Batch No.:	FGR-004

RCC Study Number A29992

Ultrazine FG-R (Food Grade Lignosulphonate):

Prenatal Developmental Toxicity Study
in the Han Wistar Rat

Report (Part I of II)

Authors: Dr. Gerspach, Dr. D. Flade
Sponsor: DSM Nutritional Products AG
Wurmisweg 576
CH 4303 Kaiseraugst
Switzerland
Test Facility: RCC Ltd
Wölferstr. 4
CH 4414 Füllinsdorf
Switzerland
Guidelines: OECD 414, 2001
FDA Redbook 2000 IV.C.9.b.
EC 2004/73, B31

Date: October 23, 2006

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GOOD LABORATORY PRACTICE

STATEMENT OF COMPLIANCE

RCC Study Number	A29992
Test item	Ultrazine FG-R (Food Grade Lignosulphonate)
Study Director	Dr. R. Gerspach
Title	Ultrazine FG-R (Food Grade Lignosulphonate): Prenatal developmental toxicity study in the Han Wistar rat

This study was performed in compliance with:

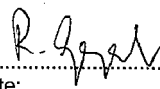
Swiss Ordinance relating to Good Laboratory Practice, adopted May 18th, 2005 [RS 813.112.1] This Ordinance was based on the OECD Principles of Good Laboratory Practice, as revised in 1997 and adopted November 26th, 1997 by decision of the OECD Council [C (97)186/Final].

These principles are compatible with Good Laboratory Practice regulations specified by regulatory authorities throughout the European Community, the United States (EPA and FDA), and Japan (MHLW, MAFF and METI).

There were no circumstances that may have affected the quality or integrity of the data and study overall.

STUDY DIRECTOR:

Dr. R. Gerspach


.....
date:

October 23, 2006

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Ultrazine FG-R

REPORT

QUALITY ASSURANCE GLP TOXICOLOGY

RCC Ltd, Toxicology, CH-4452 Itingen / Switzerland

STATEMENT

RCC Study Number A29992
Test item Ultrazine FG-R (Food Grade Lignosulphonate)
Study Director Dr. R. Gerspach
Title Ultrazine FG-R (Food Grade Lignosulphonate):
Prenatal developmental toxicity study in the Han
Wistar rat

The general facilities and activities are audited periodically and the results are reported to the responsible person and the management.

Study procedures were periodically audited. The Quality Assurance audited the study plan and this report. The dates are given below.

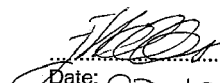
Dates and Types of QA Inspections		Dates of Reports to the Study Director and Test Facility Management
04-NOV-2005	Study plan	04-NOV-2005
16-NOV-2005	Food preparation, dose preparation	16-NOV-2005
20-NOV-2005	Treatment start	20-NOV-2005
08-DEC-2005	Necropsy, raw data, body weight	08-DEC-2005
28-DEC-2005	Raw data, test system	28-DEC-2005
05-JAN-2006	Necropsy, raw data	05-JAN-2006
14-MAR-2006	MCD	14-MAR-2006
10-APR-2006	Treatment	10-APR-2006
21-APR-2006	Raw data	21-APR-2006
25-APR-2006	Necropsy	25-APR-2006
05-10-JUL-2006	Report	10-JUL-2006

This statement also confirms that this final report reflects the raw data.

In addition this final report includes a QA-Statement issued by the Test Site Quality Assurance.

Quality Assurance:

E. Koller


Date: 23.10.06

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1 PREFACE

1.1 GENERAL

Title	Ultrazine FG-R (Food Grade Lignosulphonate): Prenatal developmental toxicity study in the Han Wistar rat
Sponsor	DSM Nutritional Products AG Wurmisweg 576 CH 4303 Kaiseraugst / Switzerland
Study Monitor	SCC Scientific Consulting Company Chemisch-Wissenschaftliche Beratung GmbH Dr. C.H. Baehr Mikroforum Ring 1 D-55234 Wendelsheim / Germany
Test Facility	a) RCC Ltd Toxicology CH-4414 Füllinsdorf / Switzerland
Test Site	b) RCC Ltd Environmental Chemistry & Pharamanalytics CH-4452 Itingen / Switzerland
Lead QA	RCC Ltd Quality Assurance GLP Toxicology CH-4452 Itingen / Switzerland
Test Site QA	RCC Ltd Quality Assurance GLP Environmental Chemistry & Pharamanalytics CH-4452 Itingen / Switzerland (responsible for test site (b))

1.2 RESPONSIBILITIES

Study Director	Dr. R. Gerspach (a)
Deputy Study Director	Dr. C. Senn (a)
Technical Coordinators	D. Frei, H. Perez, J. Kinder (a)
Principal Investigator:	
Study Phase: Analytical Chemistry	Dr. D. Flade (b)
Head of Lead QA	I. Wüthrich

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1.3 SCHEDULE

Experimental Starting Date (delivery of female rats)	November 07, 2005
Experimental Completion Date	June 11, 2006
Delivery of animals	November 07, 2005 March 27, 2006 (additional animals for groups 1 and 4)
Initiation of Pairing	November 14, 2005 April 03, 2006 (additional animals for groups 1 and 4)
First Treatment	November 21, 2005 April 10, 2006 (additional animals for groups 1 and 4)
Last Necropsies	April 28, 2006

1.4 TEST GUIDELINES

The study procedures described in this report meet or exceed the requirements of the following guidelines:

- OECD guidelines (OECD guideline for testing of chemicals proposal for updating guideline 414, prenatal developmental toxicity study. Adopted: 22nd January 2001).
- EEC guidelines (Directive 2004/73/EC, B.31, dated April 29, 2004).
- Redbook 2000, U.S. Food and Drug Administration, Center for Food Safety & Applied Nutrition, Office of Premarket Approval, Toxicological Principles for the Safety of Food Ingredients, IV.C.9.b Guidelines for Developmental Toxicity Studies, dated July 20, 2000.

1.5 ANIMAL WELFARE

This study was performed in an AAALAC (Association For Assessment And Accreditation Of Laboratory Animal Care International)-approved laboratory in accordance with the Swiss Animal Protection Law under license No. 23.

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1.6 DEVIATIONS TO STUDY PLAN (SUMMARY)

There were no deviations to the study plan.

1.7 AMENDMENTS TO STUDY PLAN (SUMMARY)

First Amendment

Due to a technical failure, fetuses from group 3 and from group 4, which were foreseen for visceral investigation, were damaged and no more suitable for investigation. In order to remain in full compliance with the guidelines, for group 4 an additional group consisting of 22 animals and an additional control group with 22 animals were started. All investigations described in the study plan were performed.

In addition, to state correctly the used guidelines.

Second Amendment

To correct spelling error

1.8 ARCHIVING

RCC Ltd (CH-4452 Itingen / Switzerland) will retain the study plan, study plan amendment, final report, raw data of laboratory investigations, specimens (as long as the quality permits evaluation) and test item reference sample of the present study, the phase report and raw data of test sites for at least ten years. Wet tissue samples will be archived at RCC Ltd for a minimum of five years. Thereafter, in agreement with the Sponsor, these samples may be further archived at RCC Ltd or transferred to another GLP archive facility for the remainder of the prescribed period. No data will be discarded without the Sponsor's written consent.

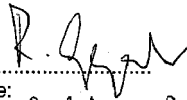
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1.9 SIGNATURES

STUDY DIRECTOR:

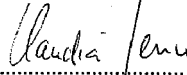
Dr. R. Gerspach



date: October 23, 2006

DEPUTY STUDY DIRECTOR:

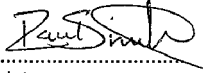
Dr. C. Senn



date: 23-Oct-2006

TEST FACILITY MANAGEMENT:

(for) Dr. H. Fankhauser



date: 23-OCT-2006

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2 SUMMARY

The purpose of this study was to detect potential effects on the pregnant female rat and development of the embryo and fetus consequent to exposure of the female to the test item from day 6 post coitum (implantation) to day 21 post coitum (the day of Caesarean section).

Each group consisted of 22 mated female rats. Ultrazine FG-R (Food Grade Lignosulphonate) was administered orally in the diet *ad libitum* at dietary concentrations of:

Table 1: Dose groups

Group	Female numbers	Dietary concentrations (ppm) day 6-15 p.c. (day 16-21 p.c.)*
1	1 - 22	0 (vehicle control)
1 (additional group)	101 - 122	0 (vehicle control)
2	23 - 44	1100 (1300)
3	45 - 66	3300 (3900)
4	67 - 88	11000 (13000)
4 (additional group)	123 - 144	11000 (13000)

* The dietary concentrations were intended to attain approximate dose levels of 100, 300 and 1000 mg/kg body weight/day.

The diets with test item were made available at the end of day 5 post coitum to ensure good exposure during day 6, and at the end of day 15 post coitum to ensure good exposure during day 16, respectively.

All females were sacrificed on day 21 post coitum and the fetuses were removed by Caesarean section.

Additional groups: Due to a technical failure, fetuses from group 3 and from group 4, which were foreseen for visceral investigation, were damaged and were no more suitable for investigation. A total of 7 fetuses were lost affecting one litter in group 3 and a total of 27 fetuses were lost affecting 5 litters in group 4. Fetuses allocated to skeletal investigations were not affected.

With only a reduced number of fetuses available for visceral investigations and in order to remain in full compliance with the guidelines (≥ 20 animals with implantation sites per group), an additional control group with 22 animals (animal nos. 101-122) and for group 4 an additional group consisting of 22 animals (animal nos. 123-144) were started. For the additional groups, the full set of investigations described in the study plan, including visceral and skeletal investigations, were performed.

The following results were obtained:

MATERNAL DATA

Mean Test Item Intake

In groups 2, 3, and 4, the following mean test item intakes were achieved: 101, 309, and 1007 (additional group 4: 971) mg/kg body weight.

Calculations were performed taking into account nominal dietary concentrations. The analytical results of the diet batches were within 85%-107% of the nominal concentrations and therefore close to the intended nominal values.

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General Tolerability

No deaths occurred. The treatment with the test item was well tolerated. Neither test item-related clinical signs nor behavioral changes were noted throughout the study.

Food Consumption and Body Weights

During the whole treatment period, food consumption and body weight development of the dose groups were similar to that of the control group, respectively.

Necropsy Findings

At scheduled necropsy, no test item-related findings were noted.

Reproduction Data

The relevant reproduction data (number of implantation sites, post implantation loss, number of live fetuses and embryo or fetal resorptions) calculated for the dose groups were similar to those of the control group.

FETAL DATA

Body Weights

The mean fetal weights were not considered to be influenced by treatment with the test item.

Sex Ratios

Sex ratios were not influenced by treatment with the test item.

External Examination

External examination at Caesarean section did not reveal any test item-related findings.

Visceral Examination

Visceral examination did not reveal test item-related findings.

Skeletal Examination

Examination of bones and cartilage did not reveal test item-related findings.

CONCLUSION

Under the conditions of this study, the treatment with the test item (admixed in the diet and provided *ad libitum*) was well tolerated up to the limit dose (1000 mg/kg body weight/day) in all dose groups, including the additional high dose group. Mean food consumption and body weight development of dams were similar in all groups. The relevant reproduction data, sex ratios of fetuses and fetal weights were similar in all groups. There were no abnormal embryo or fetal findings which were considered to be related to test item treatment. The NOEL (No Observed Effect Level) was at the high dose level of 1000 mg/kg body weight/day (i.e. limit dose).

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3 PURPOSE

The purpose of this study was to detect potential effects on the pregnant female rat and development of the embryo and fetus consequent to exposure of the female to the test item from day 6 post coitum (implantation) to day 21 post coitum (the day of Caesarean section).

This study should provide a rational basis for risk assessment in man.

4 MATERIALS AND METHODS

4.1 TEST SYSTEM

Species	Rat, HanRcc:WIST (SPF Quality)
Rationale	Specified by the international guidelines as a recommended test system
Source	RCC Ltd Laboratory Animal Services Wölferstrasse 4 CH-4414 Füllinsdorf / Switzerland
Acclimatization	Seven days (minimum) prior to pairing under test conditions with an evaluation of the health status.
Number of animals	132 mated females, 44 treated at the control and high dose level, 22 treated at the low and mid dose level.
Age at pairing	10 weeks minimum
Body weights (day 0 post coitum)	191 - 235 grams 194 - 231 grams
Identification (day 0 post coitum)	Individual cage card and animal number tattooed on the pinnae

4.2 HUSBANDRY

Facility	Animals were housed at RCC Ltd, Füllinsdorf
Room number	008A
Conditions	Animals were housed under standard laboratory conditions: air-conditioned with 10 -15 air changes per hour; the environment monitored continuously with recordings of temperature (range 22 °C ± 3 °C) and relative humidity (range 30 - 70 %), 12 hours artificial fluorescent light / 12 hours dark with background music played at a centrally defined low volume for at least 8 hours during the light period.

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Accommodation	Animals were housed individually in Makrolon cages (type-3) with wire mesh tops and standardized granulated softwood bedding (Lignocel, Schill AG, CH-4132 Muttenz/Switzerland).
Diet	Pelleted standard Kliba-Nafag 3433 rat/mouse maintenance diet (Provimi Kliba AG, CH-4303 Kaiseraugst/Switzerland) was available <i>ad libitum</i> (Batch nos. 50/05, 67/05). Results of analysis for contaminants are presented in Attachment I, pp. 311 - 314.
Water	Community tap water from Füllinsdorf in bottles was available <i>ad libitum</i> . Results of the bacteriological, chemical and contaminant analyses scheduled to be conducted at least once yearly by RCC (contaminant analyses only) and by the Official Chemist of the Kanton Basel-Landschaft (bacteriological and chemical analyses) are presented in Attachment II, pp. 316 - 321.

4.3 TEST ITEM

Test item and test item data were provided by the Sponsor.

Identity	Ultrazine FG-R
Chemical name	Calcium Lignosulphonate
CAS no.	8061-52-7
Batch number	FG-R 004
Description	Brown
Purity	95.5%
Storage	Dry at room temperature
Expiry date	August 26, 2007
Stability in feed	21 days
Safety precautions	Goggles, gloves, and mask

The test item was also used as analytical standard for analysis of dietary admixtures.

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4.4 PREPARATION OF DIETARY ADMIXTURES

Dietary admixtures were prepared with material as supplied.

Frequency of dose formulation	Feed concentration adjusted on day 5 p.c. and day 15 p.c., based on expected/feed consumption/body weight gain to reach the target dose(s). Frequencies of dose formulations were according to the stability results.
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The test item was mixed to granulated diet, pelleted in a pelleting machine. Water was added to each feed preparation at a volume/weight ratio of approximately 1:10 to ensure pelleting, after which the pellets were dried for approximately 48 hours before storage.

4.4.1 STORAGE OF DIETARY ADMIXTURES

The dietary admixtures were stored in closed stainless steel containers at room temperature.

4.4.2 ANALYSIS OF DIETARY ADMIXTURES

Samples for determination of content, homogeneity and stability (7, 14, 21 days, at room temperature) of the test item in the feed were drawn before treatment start.

Samples for determination of content and homogeneity of the test item in the feed were drawn from all dose levels at each dietary adjustment.

In the study, retain sampling of feed of all dose groups after each dose adjustment was carried out and samples stored at -20 °C for possible later reanalyses.

Samples were frozen and sent on dry ice to Dr. D. Flade, RCC Ltd, Environmental Chemistry & Pharamalytics, CH-4452 Itingen / Switzerland. The Analytical Phase was performed using a colorimetric method supplied by the Sponsor and adapted by RCC. After analysis, the analytical results were communicated to the Study Director and the Study Monitor/Sponsor. No samples will be discarded without the Study Monitors/Sponsors consent.

The Analytical Phase Report is presented in Attachment IV, pp. 325 - 338.

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4.5 STUDY SCHEDULE (SCHEMATIC DIAGRAM)

Days of study

Acclimatization

Pairing

Day 0 post coitum

Day 6 - 21 post coitum (treatment period*)

Day 21 post coitum (Caesarean section, necropsy)

* The diets with test item were made available at the end of day 5 post coitum to ensure good exposure during the period of implantation (for details see page 21)

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4.6 PROCEDURES, OBSERVATIONS AND DATA RECORDING

4.6.1 PROCEDURES

Mating

After acclimatization, females were housed with sexually mature males (1:1) in special automatic mating cages, i.e. with synchronized timing to initiate the nightly mating period, until evidence of copulation was observed. This system reduced the variation in the copulation times of the different females. The females were removed and housed individually, if:

- a) the daily vaginal smear was sperm positive or
- b) a copulation plug was observed.

The day of mating was designated day 0 post coitum.

Male rats of the same source and strain were used for mating only. These male rats are in the possession of RCC, and were not considered part of the test system. The fertility of these males had been proven and was continuously monitored.

Table 2: Allocation of mated females to the test groups

Group	Female numbers	Dietary concentrations (ppm) day 6-15 p.c. (day 16-21 p.c.)
1	1 - 22	0 (vehicle control)
1 (additional group)	101 - 122	0 (vehicle control)
2	23 - 44	1100 (1300)
3	45 - 66	3300 (3900)
4	67 - 88	11000 (13000)
4 (additional group)	123 - 144	11000 (13000)

* The dietary concentrations were intended to attain approximate dose levels of 100, 300 and 1000 mg/kg body weight/day. The diets with test item were made available at the end of day 5 post coitum to ensure good exposure during day 6, and at the end of day 15 post coitum to ensure good exposure during day 16, respectively.

Method of allocation

Mated rats were assigned to the different groups using a computer-generated random algorithm.

Administration

The test item was administered orally in the diet which was provided *ad libitum* to the animals. Control animals received diet without the test item. The dietary concentrations were adjusted once during the treatment period according to the expected food consumption and body weight development to attain approximately dose levels of 100, 300, and 1000 mg/kg body weight/day.

Rationale for route of administration

International guidelines recognize the efficacy of oral administration.

Rationale for selection of dose levels

Dose levels were based on results obtained in a 28-day toxicity study.

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4.6.2 OBSERVATIONS

Mortality rate

All animals were checked at least twice daily for any mortalities.

Signs and/or symptoms

All animals were observed at least twice daily for signs of reaction to treatment and/or symptoms of ill health.

4.6.3 DATA RECORDING

All data required by the respective OECD, EU and US FDA guidelines were recorded and included:

Food consumption

Food consumption was recorded on the following intervals: days 0-3, 3-5, 5-9, 9-12, 12-15, 15-18 and 18-21 post coitum (see Data Compilation and Processing).

Body weight

Body weights were recorded daily from day 0 until day 21 post coitum (see Data Compilation and Processing).

Termination of the study

On day 21 post coitum (one day prior to expected delivery), females were killed by CO₂ asphyxiation and the fetuses removed by Caesarean section.

Caesarean section and post mortem examination

Post mortem examination, including gross macroscopic examination of all internal organs, with emphasis on the uterus, uterine contents, position of fetuses in the uterus and number of corpora lutea, was performed and the data recorded. The uteri (and contents) of all females with live fetuses were weighed at necropsy on day 21 post coitum to enable the calculation of the corrected body weight gain.

Fetuses were removed from the uterus, sexed, weighed individually, examined for gross external abnormalities, killed by a subcutaneous injection of sodium pentobarbital (Vetanarcol®) and allocated to one of the following procedures:

- 1) Microdissection technique (sectioning/dissection technique)¹. At least one half of the fetuses from each litter were fixed in Bouin's fixative (one fetus per container). They were examined by a combination of serial sections of the head and microdissection of the thorax and abdomen. This included detailed examination of the major blood vessels and sectioning of the heart and kidneys. After examination, the tissues were preserved in a solution of glycerine/ethanol (one fetus per container). Descriptions of any abnormalities and variations were recorded.

¹ Modification of Barrow and Taylor (1969) J. Morph. 127, pp. 291-306

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- 2) The remaining fetuses were eviscerated and with the exception of over the paws, the skin was removed and discarded. Carcasses were processed through solutions of ethanol, glacial acetic acid with Alcian blue (for cartilage staining), potassium hydroxide with Alizarin red S (for clearing and staining ossified bone) and aqueous glycerin for preservation and storage². The skeletons were examined and all abnormal findings and variations were recorded. The specimens were preserved individually in plastic bags.

If no implantation sites were evident, the uterus was placed in an aqueous solution of ammonium sulfide³ to accentuate possible hemorrhagic areas of implantation sites.

When considered appropriate, macroscopic changes in the dams were photographed and samples of tissue fixed in neutral phosphate buffered 4 % formaldehyde solution for possible microscopic examination.

Fetuses with abnormalities were photographed, when considered appropriate.

4.7 DATA COMPILATION AND PROCESSING

The following data were recorded on-line: Food consumption, body weights, reproduction data and uterus weights at Caesarean section, skeletal examination data (RCC-TOX LIMS).

All other data were recorded on data sheets and compiled manually.

From the on-line recorded data the following parameters were calculated: Test item intake, corrected body weight gain, pre- and post-implantation losses, embryonic and fetal deaths, live and dead fetuses, abnormal fetuses, fetal sex ratios and fetal body weights.

The test item intake (per animal) was calculated by multiplying the food consumption per kg body weight/day and the nominal dose (in mg test item per g food).

For reproduction data, group mean values were calculated both on a litter basis and on a percentage per group basis. Mean fetal weights were calculated from the individual weights, both on a per group and on a per litter basis.

Computer-generated values in the tables represent the rounded-off results of calculations, which used the exact raw data values.

² Modification of Inouye, M (1976) Congenital Abnormalities, 16, pp. 171-173

³ Salewski E (1964) Arch. Exp. Path. Pharmac. 247, pp. 367-368

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4.8 TERMINOLOGY USED IN THE ASSESSMENT OF THE DATA

Empty implantation site	Very early resorption or aborted implantation
Embryonic resorption	Amorphous mass being resorbed
Fetal resorption	Clearly defined fetal body being resorbed
Dead fetus	Appearance of live fetus but without induced respiration or movement
Live fetus	Breathing and/or moving fetus
Abnormality	A structural change in a fetus that would probably impair its health or development.
Variation	A fetal change that is unlikely to adversely affect survival or health. This includes a delay in growth or morphogenesis that has otherwise followed a normal pattern of development.

4.9 STATISTICAL METHODS

The following statistical methods were used to analyse body weights, food consumption, reproduction and skeletal examination data:

- Means and standard deviations of various data were calculated and included in the report.
- If the variables were assumed to follow a normal distribution, the Dunnett many-one t-test, based on a pooled variance estimate, was used for intergroup comparisons (i.e. single treatment groups against the control group).
- The Steel test (many-one rank test) was applied when the data could not be assumed to follow a normal distribution.
- Fisher's Exact test for 2x2 tables was applied if the variables could be dichotomized without loss of information.

References:

- | | |
|--------------|---|
| C.W. Dunnett | A Multiple Comparison Procedure for Comparing Several Treatments with a Control, J. Amer. Statist. Assoc. 50, 1096-1121 (1955). |
| R. G. Miller | Simultaneous Statistical Inference, Springer Verlag, New York (1981). |
| R.A. Fisher | Statistical Methods for Research Workers, Oliver and Boyd, Edinburgh (1950). |

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5 RESULTS

5.1 SUMMARY OF PERFORMANCE OF MATED FEMALES

Table 3: Mated Female Performance Summary

Group (ppm)	1 (0)	2 (1100/1300)	3 (3300/3900)	4 (11000/13000)
Number of mated females	22	22	22	22
Female numbers	1 - 22	23 - 44	45 - 66	67 - 88
Pregnant	22	22	22	21
Not pregnant*	0	0	0	1
Number of females with live fetuses at termination	22	22	22	21
Used for calculations**	22	22	22	21

* = Female no. 68 was not pregnant.

** = All dams with at least one live fetus at Caesarean section were used for the calculations of food consumption, body weight gain, corrected body weight gain and reproduction data in the following tables.

5.2 MATERNAL DATA

5.2.1 TEST ITEM INTAKE

(pp. 40, 41, 109-112)

Based on the food consumption and body weights measured during the treatment period, the following mean test item intakes were achieved during the treatment period:

Table 4: Test item Intake

Test Item Intake (mg/kg body weight)	Group 2 SD Standard deviation	Group 3	Group 4
Days 5 - 9 p.c.	94.5 (SD 5.3)	288.0 (SD 17.0)	965.7 (SD 53.7)
Days 9 - 12 p.c.	101.2 (SD 7.0)	308.6 (SD 18.9)	1026.2 (SD 48.2)
Days 12 - 15 p.c.	107.8 (SD 7.0)	329.0 (SD 17.4)	1049.6 (SD 53.9)
Days 15 - 18 p.c.	107.6 (SD 6.0)	327.9 (SD 21.6)	1061.3 (SD 63.5)
Days 18 - 21 p.c.	95.3 (SD 11.8)	292.1 (SD 24.9)	929.9 (SD 59.3)
Mean of Means	101.3	309.1	1006.5

Calculations were performed taking into account nominal dietary concentrations. The analytical results of the diet batches were within 86%-107% of the nominal concentrations and therefore close to the intended nominal values.

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5.2.2 MORTALITIES AND/OR SIGNS OF REACTION TO TREATMENT

(p. 125)

No unscheduled deaths occurred. Throughout the whole study, neither test item-related clinical signs nor behavioral changes were noted. Generally, the test item treatment was well tolerated.

Hair loss on legs and chest wall of one individual animal (no. 46) from group 3 was considered to be incidental.

5.2.3 FOOD CONSUMPTION

(pp. 35-39, 105-108)

The food consumption was not influenced by treatment with the test item. Throughout the treatment period mean values of the dose groups were similar to those of the control group.

There were no statistically significant differences between control and dose groups for absolute food consumption (g/animal/day). Statistically significant differences for relative food consumption (g/kg body weight/day) were limited to the interval of days 5 to 9 for group 4 (+ 4.5%) and days 12 to 15 for group 3 (+ 4.7%). As relative food consumption was only minimally higher in both dose groups when compared to controls, not overall, and no dose-response relationship was established, this was not considered to be related to test item treatment, but to reflect the range of biological variation.

5.2.4 BODY WEIGHTS

(pp. 42-48, 113-124)

The body weight development was not influenced by treatment with the test item. Throughout the treatment period, mean body weight and body weight gain of the dose groups were similar to those of the control group. There were no statistically significant differences in body weight and body weight gain. The values of corrected body weight gains (corrected for gravid uterus weights) were 10.8 %, 12.1 %, 11.7 %, and 9.7 % in groups 1, 2, 3, and 4, respectively, and thus similar in all groups.

5.2.5 REPRODUCTION DATA

(pp. 49-54, 59-62, 127-146)

Of 22 female rats mated in each group, 22, 22, 22, and 21 dams were pregnant in groups 1, 2, 3, and 4, respectively. The relevant reproduction parameters (post-implantation loss, number of fetuses or embryo-fetal resorptions) were not influenced by treatment with the test item. No statistically significant differences were noted.

5.2.6 NECROPSY FINDINGS

(p. 126)

At necropsy, no abnormal findings were noted.

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5.3 FETAL DATA

5.3.1 BODY WEIGHTS

(Group mean p. 50; Litter mean pp. 55-58; Individual pp. 127-142)

Fetal body weights were not influenced by test item treatment. On a litter basis, no differences between test-item treated groups and the control group were noted.

On an individual basis, statistical significances occurred (females and total fetuses) in group 4. However, differences were minimal (max. deviations of 4.6 gram mean weight versus 4.7 gram in the control group) and were considered to be incidental. Individual weights of fetuses in groups 2 and 3 were similar to the control group.

For evaluation litters are to be used as units for data analysis, not individuals. No statistical difference was noted for litters of any dose group.

5.3.2 SEX RATIOS

(pp. 49, 50)

Sex ratios were not influenced by treatment with the test item.

The ratios (% males/% females) were 54.5/45.5, 50/50, 51/49, and 51.5/48.5 in dose groups 1, 2, 3, and 4, respectively. No statistically significant differences were noted comparing control and dose groups.

5.3.3 EXTERNAL EXAMINATION

(p. 63)

For all groups, external examination of fetuses at Caesarean section did not reveal any findings.

5.3.4 VISCERAL EXAMINATION (MICRODISSECTION TECHNIQUE)

(pp. 64, 147-158)

In group 4, a reduced number of fetuses was investigated due to a technical failure which resulted in loss of 7 fetuses from one litter in group 3 and 27 fetuses from 5 litters in group 4 (see study plan amendment no. 1 for further details; to keep accordance with the guideline requirements, two additional groups of 22 animals were treated with control diet and with the high dose diet, respectively. Results are described in chapter 6).

During visceral examination of fixed fetuses, findings were noted in:

- 59 out of 153 examined fetuses (in 22 litters) of group 1
- 65 out of 148 examined fetuses (in 22 litters) of group 2
- 70 out of 148 examined fetuses (in 21 litters) of group 3
- 50 out of 126 examined fetuses (in 19 litters) of group 4.

Visceral examination did not reveal test-item related findings.

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Local thinnings of the diaphragm were found in 3 fetuses (in 3 litters), 6 fetuses (in 5 litters), and 7 fetuses (in 6 litters) in groups 2, 3, and 4, respectively, compared to one occurrence in the control group. As these findings occurred in low incidence only and the incidences were within the range of the historical reference data of this laboratory (0-8 occurrences, see pp. 351, 353, 355), this was considered not to be related to the treatment with the test item, but to reflect the normal range of biological variability. This is supported by the observation that in the additional groups similar incidences were noted for the control group (3 fetuses in 3 litters) and the dosed group (6 fetuses in 4 litters). All other findings observed were common findings noted in this strain of rat and occurred in similar incidences in the dosed and in the control groups. No dose relationship was established.

5.3.5 FINDINGS FROM SKELETAL EXAMINATION OF FETUSES (ABNORMAL FINDINGS AND VARIANTS)

(pp. 65, 159-162)

During skeletal examination of the fetuses, findings were noted in:

- 11 out of 144 examined fetuses (in 22 litters) of group 1
- 19 out of 141 examined fetuses (in 22 litters) of group 2
- 16 out of 148 examined fetuses (in 22 litters) of group 3
- 15 out of 144 examined fetuses (in 21 litters) of group 4.

Skeletal investigation did not reveal test-item related abnormal findings.

Occurrence of rudimentary cervical ribs was found in 5 fetuses (in 5 litters) in group 4 and in one fetus in group 3, compared with one occurrence in the control group. These incidences were within the range of the historical reference data of this laboratory (0-6 occurrences; see pp. 388-390), and were considered to reflect the normal range of biological variability.

All other findings observed were common findings noted in this strain of rat and occurred in similar incidences in the dosed groups and in the control group. No dose-response was established.

5.3.6 SKELETAL EXAMINATION OF FETUSES - STAGE OF DEVELOPMENT

(pp. 66-69, 163-219)

Skeletal examination (stage of development) did not reveal test-item related findings.

The findings observed were common findings in this strain of rat. Incidences were similar in the dosed groups and in the control group and/or were within the range of historical reference data. No dose-response was established.

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5.3.7 CARTILAGE EXAMINATION OF FETUSES (ABNORMAL FINDINGS AND VARIANTS)

(pp. 65, 159-162)

Cartilage examination did not reveal test-item related abnormal findings.

The findings observed were common findings in this strain of rat and occurred in similar incidences in the dosed groups and in the control group. No dose-response was established.

5.3.8 CARTILAGE EXAMINATION OF FETUSES - STAGE OF DEVELOPMENT

(pp. 70, 71, 220-243)

Cartilage examination (stage of development) did not reveal test-item related findings.

The findings observed were common findings in this strain of rat. Incidences were similar in the dosed groups and in the control group and/or were within the range of historical reference data.

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6 RESULTS (ADDITIONAL GROUPS)

6.1 SUMMARY OF PERFORMANCE OF MATED FEMALES

Table 5: Mated Female Performance Summary (Additional Groups)

Group (ppm)	1 (0)	4 (11000/13000)
Number of mated females	22	22
Female numbers	101 - 122	123 - 144
Pregnant	21	22
Not pregnant*	1	0
Number of females with live fetuses at termination	21	22
Used for calculations**	21	22

* = Female no. 122 was not pregnant.

** = All dams with at least one live fetus at Caesarean section were used for the calculations of food consumption, body weight gain, corrected body weight gain and reproduction data in the following tables.

6.2 MATERNAL DATA

6.2.1 TEST ITEM INTAKE

(pp. 78, 79, 247, 248)

Based on the food consumption and body weights measured during the treatment period, the following mean test item intakes were achieved during the treatment period:

Table 6: Test Item Intake (Additional Groups)

Test Item Intake (mg/kg body weight)	Group 4 (SD Standard deviation)
Days 5 - 9 p.c.	940.4 (SD 60.3)
Days 9 - 12 p.c.	1004.4 (SD 59.9)
Days 12 - 15 p.c.	1044.9 (SD 68.6)
Days 15 - 18 p.c.	980.1 (SD 65.5)
Days 18 - 21 p.c.	886.8 (SD 112.6)
Mean of Means	971.3

Calculations were performed taking into account nominal dietary concentrations. The analytical results of the diet batches were within 85 %-107 % of the nominal concentrations and therefore close to the intended nominal values.

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6.2.2 MORTALITIES AND/OR SIGNS OF REACTION TO TREATMENT

(p. 255)

No unscheduled deaths occurred. During the whole study, neither test item-related clinical signs nor behavioral changes were noted. The test item was well tolerated at the limit dose (1000 mg/kg body weight/day).

6.2.3 FOOD CONSUMPTION

(pp. 73-77, 245, 246)

The food consumption was not influenced by treatment with the test item. Throughout the treatment period mean values of the test item-treated group was similar to those of the control group. The statistically significant reduction for the interval day 15 to 18 was considered biological variation. There were no statistically significant differences before day 15 and after day 18.

6.2.4 BODY WEIGHTS

(pp. 80-86, 249-254)

The body weight development was not influenced by treatment with the test item. Throughout the treatment period, mean body weight and gain values of the dose group were similar to those of the control group. Absolute body weight gain was not statistically significant different. Statistically significant reductions on day 7, 8, 18, 19 and 21 in relative body weight gain of the high dose group dams were minimal and considered biological variation. The corrected body weight gains (corrected for gravid uterus weight) were 11.4% in the control group and 9.1% in the limit dose group and thus considered to be similar.

6.2.5 REPRODUCTION DATA

(pp. 87-90, 93, 94, 257-266)

Of 22 female rats mated in each group, 21 and 22 dams were pregnant in groups 1 and 4, respectively. The relevant reproduction parameters (post-implantation loss, number of fetuses) were not influenced by treatment with the test item. No statistically significant differences were noted.

6.2.6 NECROPSY FINDINGS

(p. 256)

At necropsy, no abnormal findings were noted.

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6.3 FETAL DATA

6.3.1 BODY WEIGHTS

(Group mean p. 88; Litter mean pp. 91, 92; Individual pp. 257-264)

Fetal body weights were not influenced by treatment with the test item. On a litter basis, the mean weights of fetuses of group 4 (additional high dose) were similar to the control group, and no statistical significances occurred. For evaluation litters were used as units of data analysis.

On an individual basis, statistical significances occurred (females and total fetuses) in group 4. For female fetuses, mean weight was 4.6 gram versus 4.7 gram in the control group. For males/females combined, mean weight was 4.7 gram versus 4.9 gram in the control group. The differences were minimal and considered to be incidental.

6.3.2 SEX RATIOS

(p. 88)

Sex ratios were not influenced by treatment with the test item.

The ratios (% males/% females) were 49/51, and 48/52 in dose groups 1 and 4, respectively. No statistically significant difference was noted.

6.3.3 EXTERNAL EXAMINATION

(p. 95)

External examination of fetuses at Caesarean section did not reveal any test item-related findings.

6.3.4 VISCERAL EXAMINATION (MICRODISSECTION TECHNIQUE)

(pp. 96, 267-272)

During visceral examination of fixed fetuses, findings were noted in:

56 out of 134 examined fetuses (in 21 litters) of group 1
58 out of 147 examined fetuses (in 22 litters) of group 4

Visceral investigation did not reveal test-item related abnormal findings.

Local thinning of the diaphragm was found in 3 (in 3 litters) and 6 (in 4 litters) fetuses in additional groups 1 (control) and 4 (high-dose group), respectively. As the finding was observed only in low incidence and the incidence was within the range of the historical reference data (0-8 occurrences, see pp. 351, 353, and 355), it was considered to reflect the normal range of biological variability. One fetus (no. 2153, litter 126) from group 4 had multiple abnormal findings, which in nature were known to occur incidentally in this strain of rat. A similar pattern of multiple findings occurred also in one fetus (no. 366, litter 13) of the (first) control group in this study. Therefore, this was considered to be of incidental nature and not related to the treatment with the test item.

All other findings observed were common findings in this strain of rat and occurred in similar incidences in the dosed and in the control group.

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6.3.5 FINDINGS FROM SKELETAL EXAMINATION OF FETUSES (ABNORMAL FINDINGS AND VARIANTS)

(pp. 97, 273, 274)

During skeletal examination of the fetuses, findings were noted in:

- 16 out of 126 examined fetuses (in 21 litters) of group 1
- 14 out of 134 examined fetuses (in 22 litters) of group 4

Skeletal investigation did not reveal test-item related abnormal findings.

The findings observed were common findings in this strain of rat and occurred in similar incidences in the dosed and in the control group.

6.3.6 SKELETAL EXAMINATION OF FETUSES - STAGE OF DEVELOPMENT

(pp. 98-101, 275-296)

Skeletal examination (stage of development) did not reveal test-item related findings.

The findings observed were common findings observed in this strain of rat. Incidences were similar in the dosed and in the control group and/or were within the range of historical reference data.

6.3.7 CARTILAGE EXAMINATION OF FETUSES (ABNORMAL FINDINGS AND VARIANTS)

(pp. 97, 273, 274)

Cartilage examination did not reveal test-item related abnormal findings.

The findings observed were common findings in this strain of rat and occurred in similar incidences in the dosed and in the control group.

6.3.8 CARTILAGE EXAMINATION OF FETUSES - STAGE OF DEVELOPMENT

(pp. 102, 103, 297-306)

Cartilage examination (stage of development) did not reveal test-item related findings.

The findings observed were common findings in this strain of rat. Incidences were similar in the dosed and in the control group and/or were within the range of historical reference data.

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7 CONCLUSION

The purpose of this study was to investigate potential effects on the pregnant female rat and development of the embryo and fetus consequent to exposure of the female to the test item from day 6 post coitum (implantation) to day 21 post coitum (the day of Caesarean section).

Each group consisted of 22 mated female rats. Ultrazine FG-R (Food Grade Lignosulphonate) was administered orally in the diet *ad libitum*.

Table 7: Allocation of mated females to the test groups and dietary concentrations

Group	Female Numbers	Dietary concentrations (ppm) day 6-15 p.c. (day 16-21 p.c.)*	Test item intake (mg/kg bw/day)
1	1 - 22	0 (vehicle control)	0
1 (additional group)	101 - 122	0 (vehicle control)	0
2	23 - 44	1100 (1300)	101
3	45 - 66	3300 (3900)	309
4	67 - 88	11000 (13000)	1007
4 (additional group)	123 - 144	11000 (13000)	971

* The dietary concentrations were intended to attain approximate dose levels of 100, 300 and 1000 mg/kg body weight/day. The diets with test item were made available at the end of day 5 post coitum to ensure good exposure during day 6, and at the end of day 15 post coitum to ensure good exposure during day 16, respectively.

Due to a technical failure, fetuses from group 3 and from group 4, which were foreseen for visceral investigation, were damaged and were no more suitable for investigation. Fetuses allocated to skeletal investigations were not affected. With only a reduced number of fetuses available for visceral investigations and in order to remain in full compliance with the guidelines (≥ 20 animals with implantation sites per group), additional animals were included. For group 4, additional 22 animals (animal nos. 123-144) and for the control group, additional 22 animals (animal nos. 101-122) were started. For both additional groups, the full set of investigations described in the study plan, including visceral and skeletal investigations, were performed.

Under the conditions of this study, the treatment with the test item (admixed in the diet and provided *ad libitum*) was well tolerated up to the limit dose (1000 mg/kg body weight/day) in all dose groups, including the additional high dose group. Mean food consumption and body weight development of dams were similar in all groups.

The relevant reproduction data, sex ratios of fetuses and fetal weights were similar in all groups. There were no abnormal embryo or fetal findings which were considered to be related to test item treatment.

The NOEL (No Observed Effect Level) was at the high-dose level of 1000 mg/kg body weight/day (i.e. limit dose).

RCC STUDY NUMBER A29992
Ultrazine FG-R

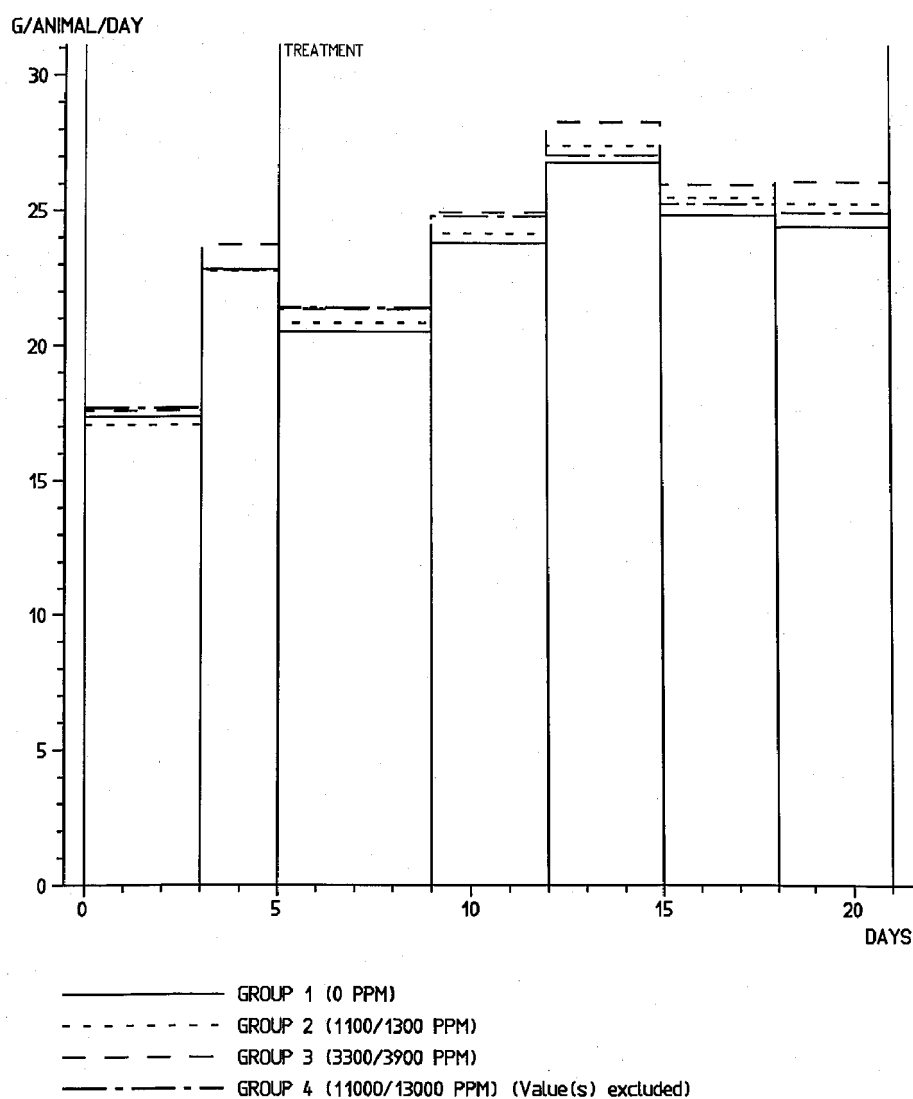
REPORT

8 FIGURES AND SUMMARY TABLES

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FC-SPLT - 1
11-MAY-06

FOOD CONSUMPTION OF DAMS POST COITUM



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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FC-SUM - 1
11-MAY-06

FOOD CONSUMPTION (G/ANIMAL/DAY) OF DAMS SUMMARY
POST COITUM

			GROUP 1 0 PPM	GROUP 2 1100/1300 PPM	GROUP 3 3300/3900 PPM	GROUP 4 11000/13000 PPM
DAYS	0-3	MEAN	17.3	17.1	17.6	17.7
		ST.DEV.	1.4	1.2	2.3	1.8
		N	22	22	22	21
DAYS	3-5	MEAN	22.8	22.7	23.7	22.8
		ST.DEV.	1.9	1.3	2.5	1.5
		N	22	22	22	21
DAYS	5-9	MEAN	20.5	20.8	21.3	21.4
		ST.DEV.	1.7	1.4	2.0	1.7
		N	22	22	22	21
DAYS	9-12	MEAN	23.8	24.1	24.9	24.8
		ST.DEV.	2.3	1.5	2.3	1.8
		N	22	22	22	21
DAYS	12-15	MEAN	26.8	27.4	28.3	27.0
		ST.DEV.	2.6	1.7	2.4	2.2
		N	22	22	22	21
DAYS	15-18	MEAN	24.8	25.5	26.0	25.2
		ST.DEV.	2.2	1.5	2.7	2.4
		N	22	22	22	21
DAYS	18-21	MEAN	24.4	25.2	26.1	24.9
		ST.DEV.	2.9	3.0	2.7	2.4
		N	22	22	22	21
MEAN OF MEANS			22.9	23.3	24.0	23.4

Explanations for excluded data are listed in the tables of individual values
* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RCC STUDY NUMBER A29992
Ultrazine FG-R

**DIFFERENCES IN MEAN FOOD CONSUMPTION OF DAMS (G/ANIMAL/DAY)
POST COITUM**

Group (ppm)	Days post coitum			
	0 - 3 g (%)	3 - 5 g (%)	5 - 9 g (%)	9 - 12 g (%)
1 (0)	17.3	22.8	20.5	23.8
2 (1100/1300)	17.1 (-1.2)	22.7 (-0.4)	20.8 (+1.5)	24.1 (+1.3)
3 (3300/3900)	17.6 (+1.7)	23.7 (+3.9)	21.3 (+3.9)	24.9 (+4.6)
4 (11000/13000)	17.7 (+2.3)	22.8 (\pm 0.0)	21.4 (+4.4)	24.8 (+4.2)

Group (ppm)	Days post coitum			
	12 - 15 g (%)	15 - 18 g (%)	18 - 21 g (%)	5 - 21* g (%)
1 (0)	26.8	24.8	24.4	23.8
2 (1100/1300)	27.4 (+2.2)	25.5 (+2.8)	25.2 (+3.3)	24.4 (+2.5)
3 (3300/3900)	28.3 (+5.6)	26.0 (+4.8)	26.1 (+7.0)	25.1 (+5.5)
4 (11000/13000)	27.0 (+0.7)	25.2 (+1.6)	24.9 (+2.0)	24.5 (+2.9)

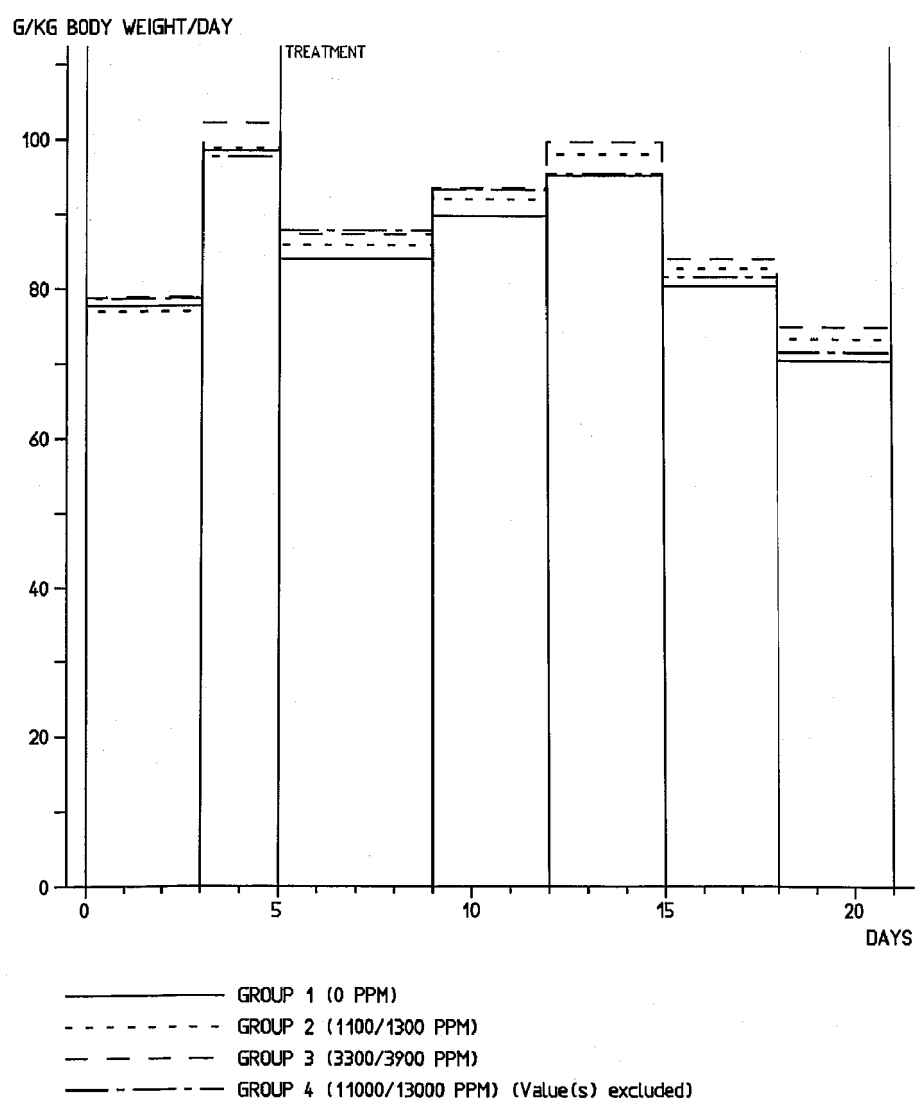
(%) = Percentages relative to the values of group 1.

* = The calculations of food consumption during the treatment period started on day 5 post coitum and ended on day 21 post coitum.

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

RFC-SPLT - 1
11-MAY-06

RELATIVE FOOD CONSUMPTION OF DAMS POST COITUM



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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

RFC-SUM - 1
11-MAY-06

RELATIVE FOOD CONSUMPTION OF DAMS SUMMARY
(G/KG BODY WEIGHT/DAY)
POST COITUM

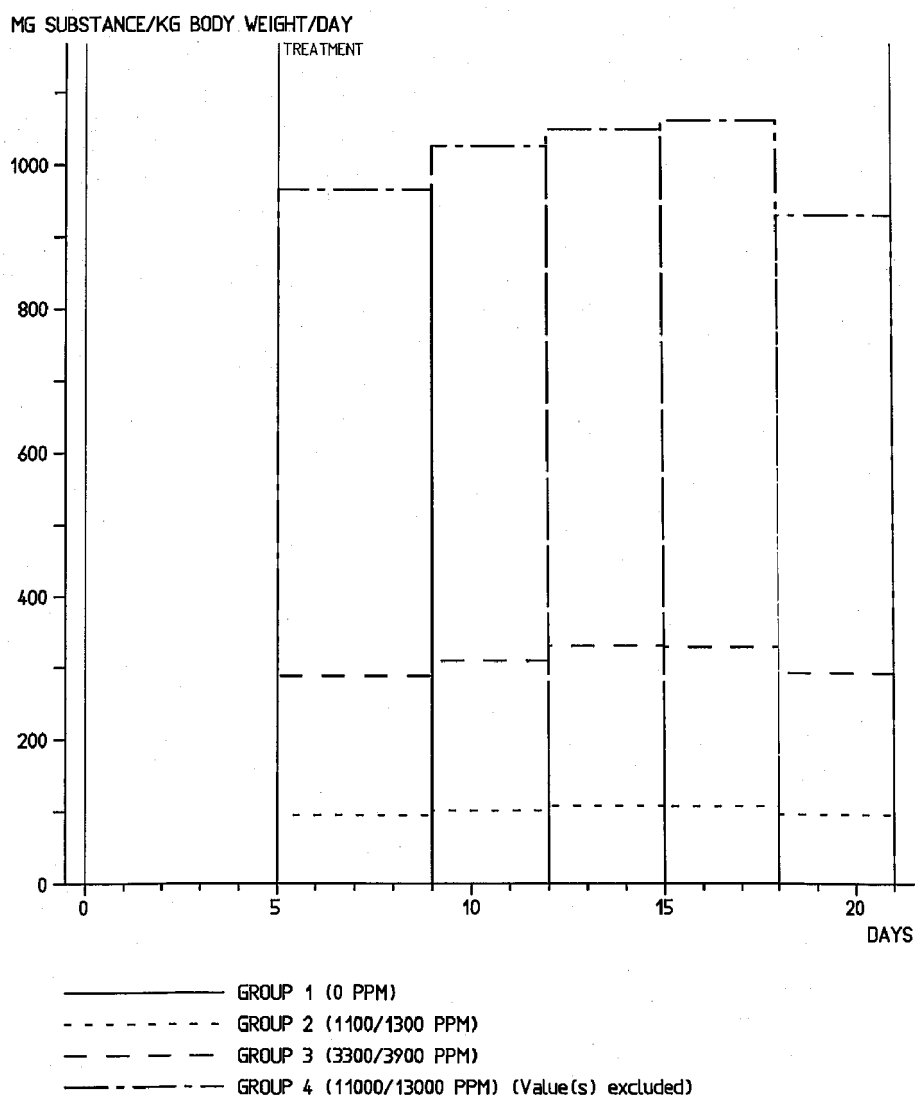
			GROUP 1 0 PPM	GROUP 2 1100/1300 PPM	GROUP 3 3300/3900 PPM	GROUP 4 11000/13000 PPM
DAYS	0-3	MEAN	77.7	77.0	78.9	78.7
		ST.DEV.	5.1	5.2	8.1	6.5
		N	22	22	22	21
DAYS	3-5	MEAN	98.5	98.8	102.1	97.7
		ST.DEV.	6.5	5.1	7.5	5.8
		N	22	22	22	21
DAYS	5-9	MEAN	84.0	85.9	87.3	87.8 *
		ST.DEV.	5.4	4.8	5.2	4.9
		N	22	22	22	21
DAYS	9-12	MEAN	89.8	92.0	93.5	93.3
		ST.DEV.	6.6	6.4	5.7	4.4
		N	22	22	22	21
DAYS	12-15	MEAN	95.2	98.0	99.7 *	95.4
		ST.DEV.	7.5	6.4	5.3	4.9
		N	22	22	22	21
DAYS	15-18	MEAN	80.4	82.8	84.1	81.6
		ST.DEV.	5.2	4.6	5.5	4.9
		N	22	22	22	21
DAYS	18-21	MEAN	70.4	73.3	74.9	71.5
		ST.DEV.	8.2	9.1	6.4	4.6
		N	22	22	22	21
MEAN OF MEANS			85.1	86.8	88.6	86.6

Explanations for excluded data are listed in the tables of individual values
* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FTAI-SPL - 1
11-MAY-06

TEST ITEM INTAKE OF DAMS POST COITUM



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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FTAI-SUM - 1
11-MAY-06

TEST ITEM INTAKE OF DAMS SUMMARY
(MG SUBSTANCE/KG BODY WEIGHT/DAY)
POST COITUM

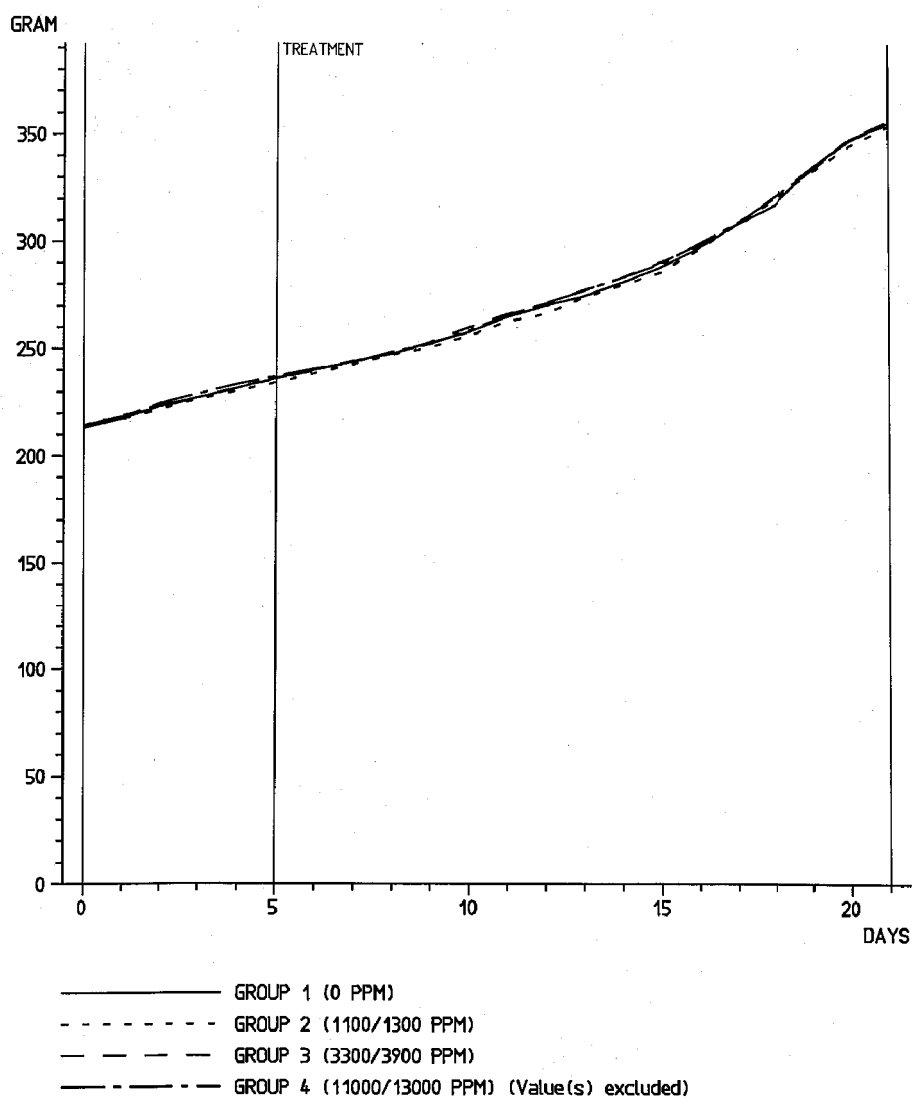
			GROUP 1 0 PPM	GROUP 2 1100/1300 PPM	GROUP 3 3300/3900 PPM	GROUP 4 11000/13000 PPM
DAYS	5-9	MEAN	0.0	94.5	288.0	965.7
		ST.DEV.	0.0	5.3	17.0	53.7
		N	22	22	22	21
DAYS	9-12	MEAN	0.0	101.2	308.6	1026.2
		ST.DEV.	0.0	7.0	18.9	48.2
		N	22	22	22	21
DAYS	12-15	MEAN	0.0	107.8	329.0	1049.6
		ST.DEV.	0.0	7.0	17.4	53.9
		N	22	22	22	21
DAYS	15-18	MEAN	0.0	107.6	327.9	1061.3
		ST.DEV.	0.0	6.0	21.6	63.5
		N	22	22	22	21
DAYS	18-21	MEAN	0.0	95.3	292.1	929.9
		ST.DEV.	0.0	11.8	24.9	59.3
		N	22	22	22	21
MEAN OF MEANS			0.0	101.3	309.1	1006.5

Explanations for excluded data are listed in the tables of individual values

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-SPLT - 1
11-MAY-06

BODY WEIGHTS OF DAMS POST COITUM



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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-SUM - 1
11-MAY-06

**BODY WEIGHTS (GRAM) OF DAMS SUMMARY
POST COITUM**

			GROUP 1 0 PPM	GROUP 2 1100/1300 PPM	GROUP 3 3300/3900 PPM	GROUP 4 11000/13000 PPM
DAY	0	MEAN	213	214	214	214
		ST.DEV.	9.6	7.9	9.3	10.9
		N	22	22	22	21
DAY	1	MEAN	218	217	219	218
		ST.DEV.	10.1	7.9	10.4	11.0
		N	22	22	22	21
DAY	2	MEAN	223	222	222	224
		ST.DEV.	10.1	8.5	9.8	11.6
		N	22	22	22	21
DAY	3	MEAN	227	226	227	229
		ST.DEV.	10.3	9.3	9.3	11.0
		N	22	22	22	21
DAY	4	MEAN	232	230	232	233
		ST.DEV.	10.2	8.0	11.7	10.7
		N	22	22	22	21
DAY	5	MEAN	236	234	236	237
		ST.DEV.	11.0	9.2	10.9	11.3
		N	22	22	22	21
DAY	6	MEAN	240	238	240	241
		ST.DEV.	11.3	9.6	11.2	10.5
		N	22	22	22	21
DAY	7	MEAN	244	243	244	243
		ST.DEV.	11.3	9.5	12.1	13.2
		N	22	22	22	21
DAY	8	MEAN	248	247	248	248
		ST.DEV.	11.6	8.9	12.9	11.2
		N	22	22	22	21
DAY	9	MEAN	253	251	253	252
		ST.DEV.	11.9	9.2	11.9	11.9
		N	22	22	22	21
DAY	10	MEAN	258	256	260	258
		ST.DEV.	12.8	8.6	12.4	11.8
		N	22	22	22	21
DAY	11	MEAN	265	263	266	266
		ST.DEV.	13.3	8.7	13.2	12.8
		N	22	22	22	21
DAY	12	MEAN	270	266	271	271
		ST.DEV.	13.4	8.8	13.6	12.7
		N	22	22	22	21
DAY	13	MEAN	275	274	277	277
		ST.DEV.	14.6	10.0	12.2	12.9
		N	22	22	22	21
DAY	14	MEAN	281	280	283	283
		ST.DEV.	13.5	9.2	14.3	14.1
		N	22	22	22	21
DAY	15	MEAN	288	286	290	289
		ST.DEV.	14.9	10.1	14.9	14.2
		N	22	22	22	21
DAY	16	MEAN	297	296	299	299
		ST.DEV.	14.6	11.2	17.3	13.9
		N	22	22	22	21

Explanations for excluded data are listed in the tables of individual values
* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-SUM - 2
11-MAY-06

**BODY WEIGHTS (GRAM) OF DAMS SUMMARY
POST COITUM**

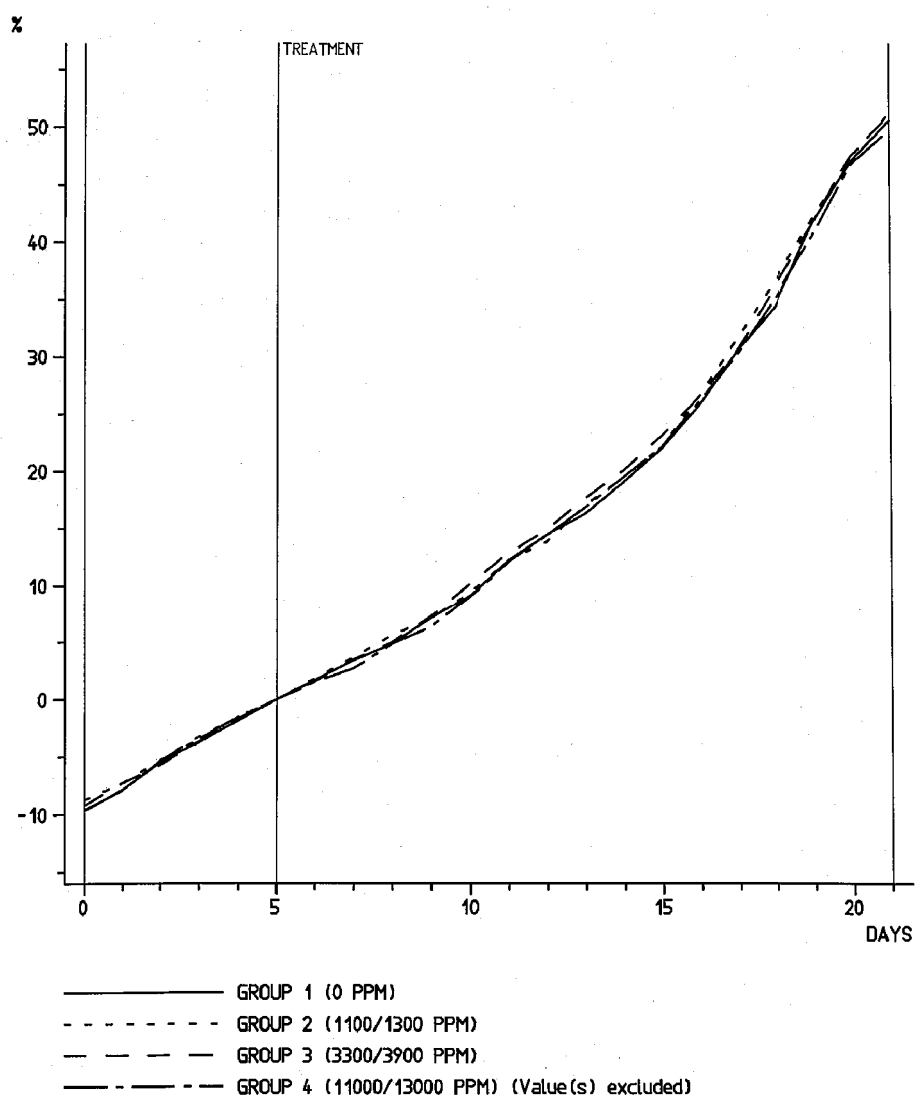
			GROUP 1 0 PPM	GROUP 2 1100/1300 PPM	GROUP 3 3300/3900 PPM	GROUP 4 11000/13000 PPM
DAY	17	MEAN	308	308	308	309
		ST.DEV.	15.2	11.6	18.5	13.9
		N	22	22	22	21
DAY	18	MEAN	317	320	321	320
		ST.DEV.	23.0	12.8	20.1	15.4
		N	22	22	22	21
DAY	19	MEAN	334	332	334	333
		ST.DEV.	17.5	15.1	21.8	17.2
		N	22	22	22	21
DAY	20	MEAN	347	345	348	348
		ST.DEV.	17.2	15.4	23.0	18.0
		N	22	22	22	21
DAY	21	MEAN	355	354	356	355
		ST.DEV.	15.9	14.7	24.4	18.7
		N	22	22	22	21

Explanations for excluded data are listed in the tables of individual values
* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BWG-SPLT - 1
11-MAY-06

BODY WEIGHT GAIN OF DAMS POST COITUM



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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BWG-SUM - 1
11-MAY-06

**BODY WEIGHT GAIN (%) OF DAMS SUMMARY
POST COITUM**

			GROUP 1 0 PPM	GROUP 2 1100/1300 PPM	GROUP 3 3300/3900 PPM	GROUP 4 11000/13000 PPM
DAY	0	MEAN	-10	-9	-9	-10
		ST.DEV.	1.5	1.3	2.6	1.5
		N	22	22	22	21
DAY	1	MEAN	-8	-7	-7	-8
		ST.DEV.	1.4	1.2	1.4	1.4
		N	22	22	22	21
DAY	2	MEAN	-5	-5	-6	-5
		ST.DEV.	1.2	1.0	1.2	1.4
		N	22	22	22	21
DAY	3	MEAN	-4	-3	-4	-3
		ST.DEV.	1.5	1.4	0.9	1.4
		N	22	22	22	21
DAY	4	MEAN	-2	-2	-2	-2
		ST.DEV.	1.2	1.1	1.1	1.5
		N	22	22	22	21
DAY	5	MEAN	0	0	0	0
		ST.DEV.	0.0	0.0	0.0	0.0
		N	22	22	22	21
DAY	6	MEAN	2	2	2	2
		ST.DEV.	1.5	1.1	1.3	1.4
		N	22	22	22	21
DAY	7	MEAN	3	4	3	3
		ST.DEV.	1.1	1.5	1.2	2.5
		N	22	22	22	21
DAY	8	MEAN	5	6	5	5
		ST.DEV.	1.4	1.4	1.3	1.5
		N	22	22	22	21
DAY	9	MEAN	7	7	7	6
		ST.DEV.	1.3	1.7	1.5	1.8
		N	22	22	22	21
DAY	10	MEAN	9	9	10	9
		ST.DEV.	1.3	1.9	1.7	1.8
		N	22	22	22	21
DAY	11	MEAN	12	12	13	12
		ST.DEV.	1.6	2.2	1.7	1.9
		N	22	22	22	21
DAY	12	MEAN	14	14	15	14
		ST.DEV.	1.7	1.9	2.3	2.1
		N	22	22	22	21
DAY	13	MEAN	16	17	18	17
		ST.DEV.	2.1	2.4	2.0	2.4
		N	22	22	22	21
DAY	14	MEAN	19	19	20	19
		ST.DEV.	2.2	2.7	2.0	2.6
		N	22	22	22	21
DAY	15	MEAN	22	22	23	22
		ST.DEV.	2.3	2.5	2.3	2.7
		N	22	22	22	21
DAY	16	MEAN	26	27	27	26
		ST.DEV.	2.4	3.4	3.8	3.0
		N	22	22	22	21

Explanations for excluded data are listed in the tables of individual values
* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BWG-SUM - 2
11-MAY-06

**BODY WEIGHT GAIN (%) OF DAMS SUMMARY
POST COITUM**

			GROUP 1 0 PPM	GROUP 2 1100/1300 PPM	GROUP 3 3300/3900 PPM	GROUP 4 11000/13000 PPM
DAY	17	MEAN	31	32	31	30
		ST.DEV.	2.5	3.5	4.7	3.5
		N	22	22	22	21
DAY	18	MEAN	34	37	36	35
		ST.DEV.	8.3	4.3	5.2	3.6
		N	22	22	22	21
DAY	19	MEAN	42	42	42	41
		ST.DEV.	3.2	5.2	5.8	3.8
		N	22	22	22	21
DAY	20	MEAN	47	47	47	47
		ST.DEV.	3.5	5.1	6.2	4.1
		N	22	22	22	21
DAY	21	MEAN	51	51	51	50
		ST.DEV.	4.0	5.9	7.1	4.0
		N	22	22	22	21

Explanations for excluded data are listed in the tables of individual values
* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RCC STUDY NUMBER A29992
Ultrazine FG-R

DIFFERENCES IN MEAN BODY WEIGHT GAIN OF DAMS (G) POST COITUM

Group (ppm)	Days post coitum									
	0 - 3		3 - 5		5 - 9		9 - 12		12 - 15	
	g	(%)	g	(%)	g	(%)	g	(%)	g	(%)
1 (0)	14	(+6.6)	9	(+4.0)	17	(+7.2)	17	(+6.7)	18	(+6.7)
2 (1100/1300)	12	(+5.6)	8	(+3.5)	17	(+7.3)	15	(+6.0)	20	(+7.5)
3 (3300/3900)	13	(+6.1)	9	(+4.0)	17	(+7.2)	18	(+7.1)	19	(+7.0)
4 (11000/13000)	15	(+7.0)	8	(+3.5)	15	(+6.3)	19	(+7.5)	18	(+6.6)

Group (ppm)	Days post coitum						Corrected body weight gain % (see pp. 121-124)
	15 - 18		18 - 21		5 - 21*		
	g	(%)	g	(%)	g	(%)	
1 (0)	29	(+10.1)	38	(+12.0)	119	(+50.4)	10.8
2 (1100/1300)	34	(+11.9)	34	(+10.6)	120	(+51.3)	12.1
3 (3300/3900)	31	(+10.7)	35	(+10.9)	120	(+50.8)	11.7
4 (11000/13000)	31	(+10.7)	35	(+10.9)	118	(+49.8)	9.7

(%) = Alterations within the respective period.

* = The calculations of body weight gain during the treatment period started on day 5 post coitum and ended on day 21 post coitum.

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-REPS - 1
11-MAY-06

REPRODUCTION DATA SUMMARY

	GROUP 1 0 PPM	GROUP 2 1100/1300 PPM	GROUP 3 3300/3900 PPM	GROUP 4 11000/13000
NUMBER OF DAMS	22	22	22	21
CORPORA LUTEA	321	320	327	318
MEAN (+)	14.6	14.5	14.9	15.1
ST.DEV.	1.4	1.7	2.0	1.2
PRE-IMPLANTATION LOSS	7	10	10	13
% OF CORP. LUTEA (#)	2.2	3.1	3.1	4.1
MEAN (+)	0.3	0.5	0.5	0.6
ST.DEV.	0.5	0.7	1.0	0.7
NUMBER OF DAMS AFFECTED	7	8	6	10
IMPLANTATION SITES	314	310	317	305
% OF CORP. LUTEA (#)	97.8	96.9	96.9	95.9
MEAN (+)	14.3	14.1	14.4	14.5
ST.DEV.	1.3	2.0	2.4	1.5
POST-IMPLANTATION LOSS	17	21	15	8
% OF IMPL. SITES (#)	5.4	6.8	4.7	2.6
MEAN (+)	0.8	1.0	0.7	0.4
ST.DEV.	0.9	0.9	0.9	0.5
NUMBER OF DAMS AFFECTED	12	14	12	8
IMPLANTATION SITE SCARS	0	0	0	0
EMBRYONIC/FETAL DEATHS TOTAL	17	21	15	8
EMBRYONIC RESORPTIONS	16	19	14	8
% OF IMPL. SITES (#)	5.1	6.1	4.4	2.6
MEAN (+)	0.7	0.9	0.6	0.4
ST.DEV.	0.9	0.9	0.7	0.5
NUMBER OF DAMS AFFECTED	11	13	12	8
FETAL RESORPTIONS	1	2	1	0
% OF IMPL. SITES (#)	0.3	0.6	0.3	
MEAN (+)	0.0	0.1	0.0	
ST.DEV.	0.2	0.3	0.2	
NUMBER OF DAMS AFFECTED	1	2	1	
FETUSES				
TOTAL FETUSES	297	289	302	297
% OF IMPL. SITES (#)	94.6	93.2	95.3	97.4
MEAN (+)	13.5	13.1	13.7	14.1
ST.DEV.	1.4	2.0	2.8	1.7
LIVE FETUSES	297	289	302	297
DEAD FETUSES	0	0	0	0
ABNORMAL FETUSES	0	0	0	0
SEX OF FETUSES				
TOTAL MALES	162	145	155	153
% OF FETUSES (#)	54.5	50.2	51.3	51.5
MEAN (+)	7.4	6.6	7.0	7.3
ST.DEV.	2.0	2.1	2.2	2.3
TOTAL FEMALES	135	144	147	144
% OF FETUSES (#)	45.5	49.8	48.7	48.5
MEAN (+)	6.1	6.5	6.7	6.9
ST.DEV.	1.8	1.7	1.7	2.7

*/** : Dunnett-Test based on pooled variance significant at level 5% (*) or 1% (**)
#/## : Fisher's Exact Test significant at level 5% (#) or 1% (##)
+ : Steel Test significant at level 5%

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-REPS - 2
11-MAY-06

REPRODUCTION DATA SUMMARY

	GROUP 1 0 PPM	GROUP 2 1100/1300 PPM	GROUP 3 3300/3900 PPM	GROUP 4 11000/13000
NUMBER OF DAMS	22	22	22	21
SEX OF FETUSES (CONT.)				
LIVE MALES	162	145	155	153
LIVE FEMALES	135	144	147	144
WEIGHTS OF LIVE FETUSES (G) (LITTER BASIS)				
TOTAL FETUSES				
N (LITTERS)	22	22	22	21
MEAN (*)	4.8	4.9	4.8	4.8
ST.DEV.	0.3	0.2	0.2	0.2
MALES				
N (LITTERS)	22	22	22	21
MEAN (*)	5.0	5.0	4.9	4.9
ST.DEV.	0.3	0.2	0.2	0.2
FEMALES				
N (LITTERS)	22	22	22	21
MEAN (*)	4.7	4.7	4.7	4.7
ST.DEV.	0.2	0.2	0.2	0.2
WEIGHTS OF LIVE FETUSES (G) (INDIVIDUAL BASIS)				
TOTAL FETUSES				
N (FETUSES)	297	289	302	297
MEAN (*)	4.8	4.9	4.8	4.8 *
ST.DEV.	0.4	0.3	0.3	0.3
MALES				
N (FETUSES)	162	145	155	153
MEAN (*)	4.9	5.0	4.9	4.9
ST.DEV.	0.4	0.3	0.3	0.3
FEMALES				
N (FETUSES)	135	144	147	144
MEAN (*)	4.7	4.7	4.7	4.6 *
ST.DEV.	0.3	0.3	0.3	0.3

*/** : Dunnett-Test based on pooled variance significant at level 5% (*) or 1% (**)
#/** : Fisher's Exact Test significant at level 5% (#) or 1% (**)
+ : Steel Test significant at level 5%

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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-DAM - 1
11-MAY-06

REPRODUCTION DATA
GROUP 1 (0 PPM)

FEMALE	CORP. LUTEA	IMPL.	-EMBRYONIC DEATHS--			TOTAL	LIVE		FETUSES		DEAD		MALF.	
			TOTAL	EMBR. STAGE	FETAL STAGE		MALE	FEM.	MALE	FEM.	MALE	FEM.	MALE	FEM.
1	13	13	1	1	0	12	4	8	0	0	0	0	0	0
2	13	13	0	0	0	13	10	3	0	0	0	0	0	0
3	13	13	1	1	0	12	6	6	0	0	0	0	0	0
4	15	14	2	2	0	12	6	6	0	0	0	0	0	0
5	14	14	0	0	0	14	8	6	0	0	0	0	0	0
6	15	14	1	1	0	13	9	4	0	0	0	0	0	0
7	13	13	0	0	0	13	7	6	0	0	0	0	0	0
8	18	17	2	2	0	14	5	9	0	0	0	0	0	0
9	15	14	0	0	0	15	7	8	0	0	0	0	0	0
10	15	15	2	2	0	13	10	3	0	0	0	0	0	0
11	15	15	0	0	0	15	10	5	0	0	0	0	0	0
12	14	14	0	0	0	14	9	5	0	0	0	0	0	0
13	14	13	1	1	0	12	3	9	0	0	0	0	0	0
14	14	13	1	1	0	12	8	4	0	0	0	0	0	0
15	15	15	1	0	1	14	6	8	0	0	0	0	0	0
16	12	12	0	0	0	12	5	7	0	0	0	0	0	0
17	15	15	0	0	0	15	8	7	0	0	0	0	0	0
18	17	17	0	0	0	17	9	8	0	0	0	0	0	0
19	15	15	1	1	0	14	9	5	0	0	0	0	0	0
20	14	14	0	0	0	14	7	7	0	0	0	0	0	0
21	15	15	3	3	0	12	8	4	0	0	0	0	0	0
22	17	16	1	1	0	15	8	7	0	0	0	0	0	0
<hr/>														
TOTAL	321	314	17	16	1	297	162	135	0	0	0	0	0	0
MEAN	14.6	14.3	0.8	0.7	0.0	13.5	7.4	6.1						
ST.DEV.	1.4	1.3	0.9	0.9	0.2	1.4	2.0	1.8						

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-DAM - 2
11-MAY-06

**REPRODUCTION DATA
GROUP 2 (1100/1300 PPM)**

FEMALE	CORP. LUTEA	IMPL.	-EMBRYONIC DEATHS--			TOTAL	----- FETUSES -----					
			TOTAL	EMBR. STAGE	FETAL STAGE		LIVE	DEAD	MALE	FEM.	MALE	FEM.
23	16	16	0	0	0	16	11	5	0	0	0	0
24	13	13	0	0	0	13	7	6	0	0	0	0
25	14	13	2	2	0	11	5	6	0	0	0	0
26	15	14	0	0	0	14	8	6	0	0	0	0
27	15	13	1	0	1	12	6	6	0	0	0	0
28	15	15	3	3	0	12	5	7	0	0	0	0
29	14	14	1	1	0	13	5	8	0	0	0	0
30	13	13	1	1	0	12	8	4	0	0	0	0
31	14	13	0	0	0	13	5	8	0	0	0	0
32	16	16	0	0	0	16	7	9	0	0	0	0
33	16	16	2	1	1	14	5	9	0	0	0	0
34	14	14	1	1	0	13	9	4	0	0	0	0
35	14	14	2	2	0	12	5	7	0	0	0	0
36	13	13	2	2	0	11	4	7	0	0	0	0
37	15	15	1	1	0	14	6	8	0	0	0	0
38	16	16	1	1	0	15	10	5	0	0	0	0
39	17	17	1	1	0	16	6	10	0	0	0	0
40	16	16	0	0	0	16	9	7	0	0	0	0
41	15	14	1	1	0	13	7	6	0	0	0	0
42	12	10	0	0	0	10	7	3	0	0	0	0
43	17	16	2	2	0	14	8	6	0	0	0	0
44	10	9	0	0	0	9	2	7	0	0	0	0
TOTAL	320	310	21	19	2	289	145	144	0	0	0	0
MEAN	14.5	14.1	1.0	0.9	0.1	13.1	6.6	6.5				
ST.DEV.	1.7	2.0	0.9	0.9	0.3	2.0	2.1	1.7				

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-DAM - 3
11-MAY-06

REPRODUCTION DATA
GROUP 3 (3300/3900 PPM)

FEMALE	CORP. LUTEA	IMPL.	-EMBRYONIC DEATHS--			TOTAL	PETOSES -----					
			TOTAL	EMBR. STAGE	FETAL STAGE		LIVE MALE	FEM.	DEAD MALE	FEM.	MALF. MALE	PERM.
45	14	14	0	0	0	14	8	6	0	0	0	0
46	14	13	0	0	0	13	7	6	0	0	0	0
47	13	11	1	1	0	10	5	5	0	0	0	0
48	17	17	0	0	0	17	11	6	0	0	0	0
49	17	17	1	1	0	16	8	8	0	0	0	0
50	16	16	0	0	0	16	10	6	0	0	0	0
51	14	14	0	0	0	14	9	5	0	0	0	0
52	16	15	0	0	0	15	7	8	0	0	0	0
53	10	10	1	1	0	9	4	5	0	0	0	0
54	18	18	0	0	0	18	7	11	0	0	0	0
55	16	16	0	0	0	16	8	8	0	0	0	0
56	18	18	1	1	0	17	9	8	0	0	0	0
57	18	18	0	0	0	18	9	9	0	0	0	0
58	14	14	0	0	0	14	8	6	0	0	0	0
59	13	12	1	1	0	11	4	7	0	0	0	0
60	12	12	4	3	1	8	4	4	0	0	0	0
61	14	14	1	1	0	13	7	6	0	0	0	0
62	15	15	1	1	0	14	10	4	0	0	0	0
63	14	13	1	1	0	12	6	6	0	0	0	0
64	15	11	1	1	0	10	3	7	0	0	0	0
65	15	15	1	1	0	14	5	9	0	0	0	0
66	14	14	1	1	0	13	6	7	0	0	0	0
TOTAL	327	317	15	14	1	302	155	147	0	0	0	0
MEAN	14.9	14.4	0.7	0.6	0.0	13.7	7.0	6.7				
ST.DEV.	2.0	2.4	0.9	0.7	0.2	2.8	2.2	1.7				

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-DAM - 4
11-MAY-06

REPRODUCTION DATA
GROUP 4 (11000/13000 PPM)

FEMALE	CORP. LUTEA	IMPL.	-EMBRYONIC DEATHS--			TOTAL	----- FETUSES -----					
			TOTAL	EMBR. STAGE	FETAL STAGE		LIVE MALE	FEM.	DEAD MALE	FEM.	MALF. MALE	FEM.
67	14	12	1	1	0	11	5	6	0	0	0	0
68	<NP>	1										
69	14	13	1	1	0	12	7	5	0	0	0	0
70	16	16	0	0	0	16	8	8	0	0	0	0
71	16	15	0	0	0	15	12	3	0	0	0	0
72	16	16	1	1	0	15	6	9	0	0	0	0
73	15	13	1	1	0	12	7	5	0	0	0	0
74	16	16	0	0	0	16	5	11	0	0	0	0
75	15	15	0	0	0	15	9	6	0	0	0	0
76	15	14	0	0	0	14	9	5	0	0	0	0
77	13	13	1	1	0	12	4	8	0	0	0	0
78	13	12	0	0	0	12	9	3	0	0	0	0
79	16	15	0	0	0	15	9	6	0	0	0	0
80	15	14	0	0	0	14	11	3	0	0	0	0
81	15	15	1	1	0	14	7	7	0	0	0	0
82	16	16	1	1	0	15	9	6	0	0	0	0
83	17	15	0	0	0	15	6	9	0	0	0	0
84	13	12	0	0	0	12	8	4	0	0	0	0
85	15	15	0	0	0	15	3	12	0	0	0	0
86	16	16	1	1	0	15	6	9	0	0	0	0
87	17	17	0	0	0	17	8	9	0	0	0	0
88	15	15	0	0	0	15	5	10	0	0	0	0
<hr/>												
TOTAL	318	305	8	8	0	297	153	144	0	0	0	0
MEAN	15.1	14.5	0.4	0.4		14.1	7.3	6.9				
ST.DEV.	1.2	1.5	0.5	0.5		1.7	2.3	2.7				

Reason for Exclusion from Evaluation :
<NP> Not pregnant

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-FET - 1
11-MAY-06

BODY WEIGHTS OF LIVE FETUSES SUMMARY (PER DAM)
GROUP 1 (0 PPM)

LITTER	- MALES AND FEMALES -			----- MALES -----			----- FEMALES -----		
	N	MEAN(G)	ST.DEV.	N	MEAN(G)	ST.DEV.	N	MEAN(G)	ST.DEV.
1	12	4.8	0.4	4	5.1	0.2	8	4.7	0.5
2	13	5.2	0.2	10	5.3	0.2	3	5.0	0.2
3	12	4.7	0.2	6	4.9	0.1	6	4.5	0.1
4	12	5.3	0.2	6	5.5	0.2	6	5.2	0.2
5	14	4.8	0.2	8	4.8	0.2	6	4.7	0.1
6	13	4.5	0.3	9	4.6	0.2	4	4.2	0.4
7	13	5.2	0.3	7	5.3	0.2	6	5.0	0.2
8	15	4.8	0.4	7	5.0	0.2	8	4.5	0.5
9	14	4.9	0.3	5	5.1	0.2	9	4.9	0.3
10	13	4.7	0.3	10	4.7	0.3	3	4.8	0.2
11	15	4.8	0.3	10	4.9	0.2	5	4.6	0.4
12	14	4.3	0.2	9	4.4	0.2	5	4.2	0.2
13	12	4.8	0.3	3	5.1	0.2	9	4.8	0.2
14	12	4.7	0.2	8	4.7	0.2	4	4.6	0.1
15	14	4.7	0.2	6	4.6	0.2	8	4.7	0.2
16	12	5.3	0.3	5	5.6	0.2	7	5.1	0.2
17	15	4.9	0.2	8	5.1	0.2	7	4.8	0.2
18	17	4.6	0.3	9	4.5	0.3	8	4.7	0.2
19	14	4.9	0.3	9	5.0	0.3	5	4.8	0.2
20	14	4.9	0.2	7	5.0	0.1	7	4.8	0.1
21	12	4.9	0.2	8	4.9	0.2	4	4.7	0.1
22	15	4.9	0.3	8	5.1	0.1	7	4.6	0.3
<hr/>									
N	297	22		162	22		135	22	
MEAN(G)	13.5	4.8		7.4	5.0		6.1	4.7	
ST.DEV.	1.4	0.3		2.0	0.3		1.8	0.2	

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-FET - 2
11-MAY-06

BODY WEIGHTS OF LIVE FETUSES SUMMARY (PER DAM)
GROUP 2 (1100/1300 PPM)

LITTER	- MALES AND FEMALES -			----- MALES -----			----- FEMALES -----		
	N	MEAN (G)	ST.DEV.	N	MEAN (G)	ST.DEV.	N	MEAN (G)	ST.DEV.
23	16	4.9	0.3	11	5.0	0.3	5	4.6	0.1
24	13	5.1	0.3	7	5.3	0.2	6	5.0	0.1
25	11	5.4	0.3	5	5.6	0.2	6	5.3	0.2
26	14	4.8	0.2	8	4.9	0.3	6	4.7	0.1
27	12	5.0	0.2	6	5.2	0.1	6	4.8	0.2
28	12	5.1	0.2	5	5.1	0.2	7	5.1	0.1
29	13	4.9	0.2	5	5.0	0.3	8	4.9	0.2
30	12	4.7	0.5	8	4.9	0.3	4	4.4	0.7
31	13	4.9	0.1	5	5.0	0.1	8	4.8	0.1
32	16	4.6	0.3	7	4.8	0.3	9	4.5	0.3
33	14	4.9	0.2	5	5.1	0.1	9	4.8	0.2
34	13	4.9	0.2	9	5.0	0.1	4	4.8	0.1
35	12	4.4	0.4	5	4.4	0.6	7	4.4	0.3
36	11	4.8	0.3	4	4.8	0.3	7	4.8	0.3
37	14	4.5	0.2	6	4.6	0.1	8	4.4	0.2
38	15	4.8	0.4	10	4.9	0.3	5	4.5	0.3
39	16	4.8	0.2	6	4.8	0.3	10	4.8	0.2
40	16	4.8	0.4	9	4.9	0.5	7	4.6	0.2
41	13	4.9	0.3	7	5.1	0.2	6	4.7	0.2
42	10	4.9	0.3	7	4.9	0.4	3	4.9	0.1
43	14	4.8	0.2	8	4.8	0.2	6	4.7	0.1
44	9	5.0	0.3	2	5.0	0.4	7	5.1	0.4
N	289	22		145	22		144	22	
MEAN (G)	13.1	4.9		6.6	5.0		6.5	4.7	
ST.DEV.	2.0	0.2		2.1	0.2		1.7	0.2	

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-FET - 3
11-MAY-06

BODY WEIGHTS OF LIVE FETUSES SUMMARY (PER DAM)
GROUP 3 (3300/3900 PPM)

LITTER	- MALES AND FEMALES -			----- MALES -----			----- FEMALES -----		
	N	MEAN(G)	ST.DEV.	N	MEAN(G)	ST.DEV.	N	MEAN(G)	ST.DEV.
45	14	5.1	0.3	8	5.2	0.2	6	4.9	0.1
46	13	5.0	0.3	7	5.1	0.3	6	4.8	0.2
47	10	4.8	0.2	5	4.9	0.2	5	4.7	0.1
48	17	4.7	0.2	11	4.7	0.2	6	4.7	0.1
49	16	4.9	0.3	8	5.1	0.1	8	4.7	0.2
50	16	4.7	0.2	10	4.8	0.2	6	4.5	0.2
51	14	5.2	0.2	9	5.3	0.2	5	5.0	0.2
52	15	4.8	0.3	7	4.9	0.2	8	4.6	0.2
53	9	4.8	0.2	4	4.9	0.2	5	4.8	0.2
54	18	4.4	0.3	7	4.5	0.3	11	4.3	0.3
55	16	4.5	0.2	8	4.7	0.2	8	4.4	0.1
56	17	4.9	0.3	9	5.0	0.3	8	4.9	0.2
57	18	4.8	0.3	9	5.0	0.4	9	4.7	0.2
58	14	4.9	0.2	8	4.9	0.2	6	4.9	0.1
59	11	4.5	0.2	4	4.7	0.2	7	4.4	0.2
60	8	4.7	0.3	4	4.9	0.2	4	4.5	0.2
61	13	4.9	0.3	7	5.1	0.1	6	4.7	0.3
62	14	4.8	0.2	10	4.8	0.1	4	4.6	0.2
63	12	4.7	0.3	6	4.7	0.4	6	4.7	0.1
64	10	5.2	0.2	3	5.2	0.3	7	5.1	0.2
65	14	4.9	0.2	5	5.1	0.1	9	4.7	0.2
66	13	4.7	0.2	6	4.8	0.2	7	4.6	0.2
<hr/>									
N	302	22		155	22		147	22	
MEAN(G)	13.7	4.8		7.0	4.9		6.7	4.7	
ST.DEV.	2.8	0.2		2.2	0.2		1.7	0.2	

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-FET - 4
11-MAY-06

BODY WEIGHTS OF LIVE FETUSES SUMMARY (PER DAM)
GROUP 4 (11000/13000 PPM)

LITTER	- MALES AND FEMALES -			----- MALES -----			----- FEMALES -----		
	N	MEAN(G)	ST.DEV.	N	MEAN(G)	ST.DEV.	N	MEAN(G)	ST.DEV.
57	11	5.0	0.1	5	5.0	0.2	6	5.0	0.1
58 <NP>									
69	12	4.9	0.3	7	5.0	0.2	5	4.7	0.2
70	16	4.6	0.2	8	4.6	0.2	8	4.6	0.2
71	15	4.8	0.2	12	4.8	0.3	3	4.7	0.2
72	15	4.4	0.3	6	4.6	0.2	9	4.3	0.2
73	12	4.9	0.4	7	5.0	0.2	5	4.7	0.4
74	16	4.6	0.4	5	4.9	0.3	11	4.4	0.3
75	15	4.9	0.3	9	5.0	0.3	6	4.7	0.2
76	14	4.8	0.3	9	5.0	0.2	5	4.6	0.3
77	12	4.7	0.3	4	4.9	0.2	8	4.6	0.2
78	12	4.9	0.2	9	5.0	0.2	3	4.7	0.1
79	15	4.6	0.2	9	4.8	0.2	6	4.4	0.2
80	14	4.9	0.3	11	5.0	0.2	3	4.6	0.2
81	14	4.8	0.3	7	4.9	0.2	7	4.8	0.3
82	15	4.5	0.2	9	4.6	0.1	6	4.4	0.2
83	15	4.9	0.3	6	5.0	0.2	9	4.7	0.2
84	12	5.2	0.3	8	5.3	0.3	4	5.2	0.3
85	15	4.7	0.3	3	4.7	0.1	12	4.7	0.3
86	15	4.8	0.2	6	4.8	0.3	9	4.7	0.2
87	17	4.8	0.4	8	5.0	0.3	9	4.7	0.4
88	15	4.7	0.2	5	4.8	0.2	10	4.6	0.2
N	297	21		153	21		144	21	
MEAN(G)	14.1	4.8		7.3	4.9		6.9	4.7	
ST.DEV.	1.7	0.2		2.3	0.2		2.7	0.2	

Reason for Exclusion from Evaluation :
<NP> Not pregnant

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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-DIST - 1
11-MAY-06

**DISTRIBUTION WITHIN UTERUS
GROUP 1 (0 PPM)**

IMPLAN- TATIONS	EMPTY SITES	LEFT HORN		POSITION IN UTERUS	RIGHT HORN		EMPTY SITES	IMPLAN- TATIONS
		RESORPTIONS EMBR. PETAL	PETUSES DEAD LIVE		PETUSES LIVE DEAD	RESORPTIONS PETAL EMBR.		
22	.	.	.	22 < 1>	21 .	1	.	22
22	.	1	.	21 < 2>	21 .	1	.	22
22	.	2 1	.	19 < 3>	22 .	.	.	22
21	.	1	.	20 < 4>	19 .	3	.	22
20	.	.	.	20 < 5>	21 .	1	.	22
18	.	.	.	18 < 6>	14 .	2	.	16
14	.	.	.	14 < 7>	11 .	.	.	11
11	.	.	.	11 < 8>	6 .	3	.	9
7	.	.	.	7 < 9>	6 .	.	.	6
1	.	.	.	1 <10>	2 .	.	.	2
1	.	1	.	<11>	.	.	.	.
1	.	.	.	1 <12>	.	.	.	.

IMPLANTATION SITES

```

22 =====< 1>===== 22
22 =====< 2>===== 22
22 =====< 3>===== 22
21 =====< 4>===== 22
20 =====< 5>===== 22
18 =====< 6>===== 16
14 =====< 7>===== 11
11 =====< 8>===== 9
7 =====< 9>===== 6
1 = <10> == 2
1 = <11>
1 = <12>

```

LIVE PETUSES

```

22 =====< 1>===== 21
21 =====< 2>===== 21
19 =====< 3>===== 22
20 =====< 4>===== 19
20 =====< 5>===== 21
18 =====< 6>===== 14
14 =====< 7>===== 11
11 =====< 8>===== 6
7 =====< 9>===== 6
1 = <10> == 2
1 = <11>
1 = <12>

```

RESORPTIONS

```

< 1> = 1
1 = < 2> = 1
3 == < 3>
1 = < 4> == 3
< 5> = 1
< 6> == 2
< 7>
< 8> == 3
< 9>
<10>
1 = <11>
<12>

```

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-DIST - 2
11-MAY-06

**DISTRIBUTION WITHIN UTERUS
GROUP 2 (1100/1300 PPM)**

IMPLAN- TATIONS	EMPTY SITES	LEFT HORN		FETUSES DEAD	LIVE	POSITION IN UTERUS	FETUSES LIVE	DEAD	RIGHT HORN		EMPTY SITES	IMPLAN- TATIONS
		RESORPTIONS EMBR.	FETAL						RESORPTIONS FETAL	EMBR.		
22	.	1	1	.	20	< 1>	20	.	1	1	.	22
22	22	< 2>	21	.	.	1	.	22
22	.	2	.	.	20	< 3>	21	.	.	1	.	22
20	.	1	.	.	19	< 4>	19	.	.	2	.	21
20	.	1	.	.	19	< 5>	19	.	.	2	.	21
18	.	2	.	.	16	< 6>	18	.	.	1	.	19
14	.	1	.	.	13	< 7>	16	.	.	.	.	16
9	.	1	.	.	8	< 8>	9	.	.	1	.	10
4	4	< 9>	4	.	.	.	.	4
1	.	1	.	.	.	<10>	1	.	.	.	.	1

IMPLANTATION SITES

```

22 =====< 1>===== 22
22 =====< 2>===== 22
22 =====< 3>===== 22
20 =====< 4>===== 21
20 =====< 5>===== 21
18 =====< 6>===== 19
14 =====< 7>===== 16
9 =====< 8>===== 10
4 =====< 9>===== 4
1 = <10> = 1

```

LIVE FETUSES

```

20 =====< 1>===== 20
22 =====< 2>===== 21
20 =====< 3>===== 21
19 =====< 4>===== 19
19 =====< 5>===== 19
16 =====< 6>===== 18
13 =====< 7>===== 16
8 =====< 8>===== 9
4 =====< 9>===== 4
1 = <10> = 1

```

RESORPTIONS

```

2 == < 1> == 2
2 == < 2> == 1
2 == < 3> == 1
1 == < 4> == 2
1 == < 5> == 2
2 == < 6> == 1
1 == < 7> == 1
1 == < 8> == 1
1 == < 9> == 1
1 = <10>

```

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-DIST - 3
11-MAY-06

**DISTRIBUTION WITHIN UTERUS
GROUP 3 (3300/3900 PPM)**

IMPLAN- TATIONS	EMPTY SITES	LEFT HORN		FETUSES DEAD	POSITION IN UTERUS	FETUSES LIVE	DEAD	RIGHT HORN		EMPTY SITES	IMPLAN- TATIONS
		RESORPTIONS EMBR.	FETAL					RESORPTIONS FETAL	EMBR.		
22	.	1	.	.	21	< 1>	21	.	1	.	22
22	22	< 2>	21	.	1	.	22
22	.	2	.	.	20	< 3>	20	.	2	.	22
22	.	1	.	.	21	< 4>	21	.	.	.	21
21	.	1	.	.	20	< 5>	18	.	3	.	21
18	.	1	.	.	17	< 6>	20	.	.	.	20
13	13	< 7>	13	.	.	.	13
7	7	< 8>	9	.	2	.	11
3	3	< 9>	6	.	.	.	6
3	3	<10>	3	.	.	.	3
1	1	<11>	1	.	.	.	1
1	1	<12>		.	.	.	

IMPLANTATION SITES

```

22 =====< 1>===== 22
22 =====< 2>===== 22
22 =====< 3>===== 22
22 =====< 4>===== 21
21 =====< 5>===== 21
18 =====< 6>===== 20
13 =====< 7>===== 13
7 =====< 8>===== 11
3 =====< 9>===== 6
3 =====<10>===== 3
1 = <11> = 1
1 = <12>

```

LIVE FETUSES

```

21 =====< 1>===== 21
22 =====< 2>===== 21
20 =====< 3>===== 20
21 =====< 4>===== 21
20 =====< 5>===== 18
17 =====< 6>===== 20
13 =====< 7>===== 13
7 =====< 8>===== 9
3 =====< 9>===== 6
3 =====<10>===== 3
1 = <11> = 1
1 = <12>

```

RESORPTIONS

```

1 = < 1> = 1
2 = < 2> = 1
2 = < 3> = 2
1 = < 4>
1 = < 5> = 3
1 = < 6>
< 7>
< 8> = 2
< 9>
<10>
<11>
<12>

```


RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-DIST - 4
11-MAY-06

**DISTRIBUTION WITHIN UTERUS
GROUP 4 (11000/13000 PPM)**

IMPLAN- TATIONS	EMPTY SITES	LEFT HORN		POSITION IN UTERUS	FETUSES LIVE DEAD	RIGHT HORN		EMPTY SITES	IMPLAN- TATIONS
		RESORPTIONS EMBR. FETAL	FETUSES DEAD LIVE			RESORPTIONS FETAL EMBR.			
21	.	.	.	21	< 1>	21	.	.	21
21	.	.	.	21	< 2>	21	.	.	21
21	.	.	.	21	< 3>	19	.	1	20
21	.	.	.	21	< 4>	19	.	1	20
20	.	1	.	19	< 5>	17	.	1	18
18	.	.	.	18	< 6>	16	.	1	17
17	.	.	.	17	< 7>	11	.	2	13
9	.	.	.	9	< 8>	8	.	1	9
6	.	.	.	6	< 9>	6	.	.	6
3	.	.	.	3	<10>	2	.	.	2
1	.	.	.	1	<11>		.	.	

IMPLANTATION SITES

```

21 =====< 1>===== 21
21 =====< 2>===== 21
21 =====< 3>===== 20
21 =====< 4>===== 20
20 =====< 5>===== 18
18 =====< 6>===== 17
17 =====< 7>===== 13
    9 =====< 8>===== 9
        6 =====< 9>===== 6
            3 =====<10>===== 2
                1 =====<11>=====

```

LIVE FETUSES

```

21 =====< 1>===== 21
21 =====< 2>===== 21
21 =====< 3>===== 19
21 =====< 4>===== 19
19 =====< 5>===== 17
18 =====< 6>===== 16
17 =====< 7>===== 11
    9 =====< 8>===== 8
        6 =====< 9>===== 6
            3 =====<10>===== 2
                1 =====<11>=====

```

RESORPTIONS

```

< 1>
< 2>
< 3> = 1
< 4> = 1
1 = < 5> = 1
    < 6> = 1
        < 7> == 2
            < 8> = 1
                < 9>
                    <10>
                        <11>

```

RCC STUDY NUMBER A29992
Ultrazine FG-R

EXTERNAL EXAMINATION OF FETUSES

Group (ppm)	Number of fetuses examined	Type of abnormal finding
1 (0)	297	No abnormal findings noted
2 (1100/1300)	289	No abnormal findings noted
3 (3300/3900)	302	No abnormal findings noted
4 (11000/13000)	297	No abnormal findings noted

RCC STUDY NUMBER A29992
Ultrazine FG-R

FINDINGS FROM VISCERAL EXAMINATION OF FETUSES - (MICRODISSECTION TECHNIQUE) - SUMMARY

	Group 1 0 ppm		Group 2 110/1300 ppm		Group 3 3300/3900 ppm		Group 4 11000/13000 ppm	
Number of litters	22		22		21		19	
Number of fetuses examined	153		148		148		126	
Incidences of fetuses with	N	%	N	%	N	%	N	%
Subcutaneous haemorrhage - hindlimb (unilateral)	0	0	1	1	0	0	1	1
Subcutaneous haemorrhage - head	17	11	33	22	29	20	23	18
Brain, perimenigeal space increased, slight	0	0	0	0	1	1	0	0
Eye, lenticular lesion, right	1	1	0	0	0	0	0	0
Thymus cranial elongation (unilateral)	4	3	4	3	5	3	0	0
Heart interventricular septal defect	1	1	0	0	0	0	0	0
Lung right caudal and accessory lobes partially fused	0	0	0	0	2	1	3	2
Diaphragm tendinous region locally thinned	1	1	3	2	6	4	7	6
Liver additional lobe(s) within median cleft	18	12	10	7	25	17	13	10
Liver additional cleft	1	1	3	2	2	1	1	1
Liver median cleft displaced	0	0	0	0	0	0	1	1
Kidney displaced, caudal, right	1	1	1	1	2	1	0	0
Renal papilla haemorrhage, left	0	0	0	0	0	0	1	1
Renal pelvis dilated, left	0	0	0	0	1	1	0	0
Testis medial displacement (unilateral)	5	3	2	1	2	1	2	2
Testis cranial displacement (unilateral)	2	1	3	2	3	2	2	2
Umbilical artery left-sided	14	9	16	11	15	10	10	8
Situs inversus	0	0	1	1	0	0	0	0
Multiple malformations*	1	1	0	0	0	0	0	0
Litters with any abnormal finding	20	91	21	95	21	100	19	100
Fetuses with any abnormal finding	59	39	65	44	70	47	50	40

* = Fetus No. 366 (litter No. 13) in group 1 had multiple malformations.

RCC STUDY NUMBER A29992
Ultrazine FG-R

**ABNORMAL FINDINGS OR VARIATIONS FROM FETAL SKELETAL EXAMINATION
- SUMMARY**

	Group 1 0 ppm		Group 2 110/1300 ppm		Group 3 3300/3900 ppm		Group 4 11000/13000 ppm	
Number of litters examined	22		22		22		21	
Number of fetuses examined	144		141		148		144	
Incidences of fetuses with	N	%	N	%	N	%	N	%
Bones								
Zygomatic arch fusion (uni-/bilateral)	6	4	10	7	7	5	7	5
Sternebrae offset	2	1	0	0	1	1	0	0
Sternebrae misshapen	2	1	1	1	0	0	0	0
Sternebrae bipartite ossification	1	1	1	1	0	0	1	1
Rudimentary cervical rib	1	1	0	0	1	1	5	3
Cervical vertebral body bipartite ossification	0	0	0	0	1	1	0	0
Thoracic vertebral body misshapen	0	0	1	1	0	0	0	0
Thoracic vertebral body not ossified	0	0	1	1	0	0	0	0
Thoracic vertebral body bipartite ossification	0	0	0	0	0	0	1	1
Pelvic girdle uni-/bilateral caudal displacement (27 pre-pelvic arches)	1	1	9	6	4	3	2	1
Cartilages								
Additional ventral plate	1	1	1	1	2	1	2	1
Costal cartilages join sternum asymmetrically	3	2	2	1	1	1	1	1
Costal cartilages asymmetrically aligned	0	0	1	1	0	0	0	0
Thoracic vertebral body split and reduced in size	0	0	1	1	0	0	0	0
Thoracic vertebral body dumbbell-shaped	0	0	0	0	0	0	1	1
Litters with any findings	6	27	12	55	11	50	12	57
Fetuses with any finding	11	8	19	13	16	11	15	10

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

REP-SFS - 1
22-JUN-06

**SKELETAL EXAMINATIONS SUMMARY
STAGE OF DEVELOPMENT AND COMMON VARIANTS
ON A LITTER BASIS**

	GROUP 1 0 FPM	GROUP 2 1100/1300 PF	GROUP 3 3300/3900 PF	GROUP 4 11000/13000
NUMBER OF LITTERS EXAMINED	22	22	22	21
ABNORMAL FINDING(S) (SHOWN ON PREVIOUS PAGE(S))	6 27%	11 50%	10 45%	11 52%
CRANIUM				

INCOMPLETELY OSSIFIED				
OS OCCIPITALE	0	0	2 9%	0
OS PARIETALE, BILATERAL	0	0	4 18%	0
OS INTERPARIETALE	4 18%	1 5%	6 27%	2 10%
OS PARIETALE, LEFT	0	0	0	1 5%
OS PARIETALE, RIGHT	0	1 5%	0	0
ZYGOMATIC PROCESS OF MAXILLA, LEFT	0	0	0	1 5%
JUGAL, LEFT	0	1 5%	2 9%	0
JUGAL, RIGHT	0	1 5%	3 14%	0
ZYGOMATIC PROCESS OF SQUAMOSAL, RIGH	0	1 5%	1 5%	0
CERVICAL VERTEBRAE				

NON-OSSIFIED				
CERVICAL VERTEBRAL BODY 1	4 18%	1 5%	3 14%	3 14%
CERVICAL VERTEBRAL BODY 2	1 5%	5 23%	5 23%	3 14%
CERVICAL VERTEBRAL BODY 3	2 9%	3 14%	3 14%	4 19%
CERVICAL VERTEBRAL BODY 4	1 5%	2 9%	1 5%	1 5%
CERVICAL VERTEBRAL BODY 5	1 5%	1 5%	1 5%	0
CERVICAL VERTEBRAL BODY 6	0	1 5%	1 5%	0
STERNUM				

INCOMPLETELY OSSIFIED				
STERNEBRA 5	3 14%	3 14%	4 18%	1 5%
STERNEBRA 6	1 5%	0	0	0
NON-OSSIFIED				
STERNEBRA 5	0	1 5%	1 5%	1 5%
RIB(S), LEFT				

SUPERNUMERARY, ONE				
RIB(S), LEFT	0	3 14%	2 9%	3 14%
SUPERNUMERARY, ONE RUDIMENTARY				
RIB(S), LEFT	19 86%	18 82%	13 59% #	18 86%
RIB(S), RIGHT				

SUPERNUMERARY, ONE				
RIB(S), RIGHT	1 5%	0	2 9%	2 10%
SUPERNUMERARY, ONE RUDIMENTARY				
RIB(S), RIGHT	17 77%	17 77%	14 64%	15 71%
LEFT FORELIMB				

NON-OSSIFIED				
DIGIT 1 DISTAL PHALANX, LEFT	2 9%	2 9%	0	5 24%
DIGIT 2 PROXIMAL PHALANX, LEFT	8 36%	9 41%	12 55%	8 38%
DIGIT 2 DISTAL PHALANX, LEFT	0	2 9%	0	5 24% #
DIGIT 3 PROXIMAL PHALANX, LEFT	0	1 5%	0	2 10%
DIGIT 3 DISTAL PHALANX, LEFT	0	1 5%	0	1 5%
DIGIT 4 PROXIMAL PHALANX, LEFT	0	2 9%	0	2 10%
DIGIT 4 DISTAL PHALANX, LEFT	0	1 5%	0	2 10%
DIGIT 5 PROXIMAL PHALANX, LEFT	16 73%	16 73%	16 73%	16 76%
DIGIT 5 DISTAL PHALANX, LEFT	10 45%	10 45%	5 23%	8 38%

#/# : Fisher's Exact Test significant at level 5% (#) or 1% (##)

66

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

REP-SFS - 2
22-JUN-06

**SKELETAL EXAMINATIONS SUMMARY
STAGE OF DEVELOPMENT AND COMMON VARIANTS
ON A LITTER BASIS**

	GROUP 1 0 PPM	GROUP 2 1100/1300 PP	GROUP 3 3300/3900 PP	GROUP 4 11000/13000
NUMBER OF LITTERS EXAMINED	22	22	22	21
RIGHT FORELIMB				

NON-OSSIFIED				
DIGIT 1 DISTAL PHALANX, RIGHT	2 9%	2 9%	0	5 24%
DIGIT 2 PROXIMAL PHALANX, RIGHT	9 41%	9 41%	12 55%	8 38%
DIGIT 2 DISTAL PHALANX, RIGHT	0	2 9%	0	5 24% #
DIGIT 3 PROXIMAL PHALANX, RIGHT	0	1 5%	0	3 14%
DIGIT 3 DISTAL PHALANX, RIGHT	0	1 5%	0	2 10%
DIGIT 4 PROXIMAL PHALANX, RIGHT	0	2 9%	0	2 10%
DIGIT 4 DISTAL PHALANX, RIGHT	0	1 5%	0	2 10%
DIGIT 5 PROXIMAL PHALANX, RIGHT	16 73%	16 73%	16 73%	16 76%
DIGIT 5 DISTAL PHALANX, RIGHT	10 45%	10 45%	5 23%	8 38%
LEFT HIND LIMB				

NON-OSSIFIED				
TALUS LEFT	22 100%	21 95%	21 95%	21 100%
METATARSALIA 1, LEFT	0	1 5%	3 14%	1 5%
TOE 2 PROXIMAL PHALANX, LEFT	10 45%	9 41%	14 64%	9 43%
TOE 3 PROXIMAL PHALANX, LEFT	6 27%	7 32%	9 41%	5 24%
TOE 4 PROXIMAL PHALANX, LEFT	6 27%	7 32%	7 32%	5 24%
TOE 5 PROXIMAL PHALANX, LEFT	21 95%	21 95%	19 86%	21 100%
RIGHT HIND LIMB				

NON-OSSIFIED				
TALUS RIGHT	22 100%	21 95%	21 95%	21 100%
METATARSALIA 1, RIGHT	0	1 5%	2 9%	1 5%
TOE 2 PROXIMAL PHALANX, RIGHT	10 45%	9 41%	14 64%	9 43%
TOE 3 PROXIMAL PHALANX, RIGHT	6 27%	7 32%	9 41%	5 24%
TOE 4 PROXIMAL PHALANX, RIGHT	5 23%	7 32%	8 36%	5 24%
TOE 5 PROXIMAL PHALANX, RIGHT	21 95%	21 95%	19 86%	21 100%

#/## : Fisher's Exact Test significant at level 5% (#) or 1% (##)

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

REP-SFS - 1
22-JUN-06

**SKELETAL EXAMINATIONS SUMMARY
STAGE OF DEVELOPMENT AND COMMON VARIANTS
ON A FETUS BASIS**

	GROUP 1 0 FPM	GROUP 2 1100/1300 FP	GROUP 3 3300/3900 FP	GROUP 4 11000/13000
NUMBER OF FETUSES EXAMINED	144	141	148	144
ABNORMAL FINDING(S) (SHOWN ON PREVIOUS PAGE(S))	10 7%	18 13%	14 9%	14 10%
CRANIUM				
INCOMPLETELY OSSIFIED				
OS OCCIPITALE	0	0	2 1%	0
OS PARIETALE, BILATERAL	0	0	4 3%	0
OS INTERPARIETALE	5 3%	1 1%	6 4%	2 1%
OS PARIETALE, LEFT	0	0	0	1 1%
OS PARIETALE, RIGHT	0	1 1%	0	0
ZYGOMATIC PROCESS OF MAXILLA, LEFT	0	0	0	1 1%
JUGAL, LEFT	0	1 1%	2 1%	0
JUGAL, RIGHT	0	1 1%	3 2%	0
ZYGOMATIC PROCESS OF SQUAMOSAL, RIGHT	0	1 1%	1 1%	0
CERVICAL VERTEBRAE				
NON-OSSIFIED				
CERVICAL VERTEBRAL BODY 1	4 3%	2 1%	5 3%	3 2%
CERVICAL VERTEBRAL BODY 2	2 1%	7 5%	6 4%	4 3%
CERVICAL VERTEBRAL BODY 3	3 2%	4 3%	5 3%	5 3%
CERVICAL VERTEBRAL BODY 4	1 1%	2 1%	1 1%	2 1%
CERVICAL VERTEBRAL BODY 5	1 1%	1 1%	1 1%	0
CERVICAL VERTEBRAL BODY 6	0	1 1%	1 1%	0
STERNUM				
INCOMPLETELY OSSIFIED				
STERNEBRA 5	3 2%	4 3%	4 3%	1 1%
STERNEBRA 6	1 1%	0	0	0
NON-OSSIFIED				
STERNEBRA 5	0	1 1%	2 1%	1 1%
RIB(S), LEFT				
SUPERNUMERARY, ONE				
RIB(S), LEFT	0	3 2%	2 1%	3 2%
SUPERNUMERARY, ONE RUDIMENTARY				
RIB(S), LEFT	60 42%	55 39%	48 32%	55 38%
RIB(S), RIGHT				
SUPERNUMERARY, ONE				
RIB(S), RIGHT	1 1%	0	3 2%	2 1%
SUPERNUMERARY, ONE RUDIMENTARY				
RIB(S), RIGHT	52 36%	51 36%	45 30%	49 34%
LEFT FORELIMB				
NON-OSSIFIED				
DIGIT 1 DISTAL PHALANX, LEFT	2 1%	2 1%	0	6 4%
DIGIT 2 PROXIMAL PHALANX, LEFT	15 10%	20 14%	17 11%	15 10%
DIGIT 2 DISTAL PHALANX, LEFT	0	2 1%	0	5 3% #
DIGIT 3 PROXIMAL PHALANX, LEFT	0	1 1%	0	2 1%
DIGIT 3 DISTAL PHALANX, LEFT	0	1 1%	0	1 1%
DIGIT 4 PROXIMAL PHALANX, LEFT	0	2 1%	0	2 1%
DIGIT 4 DISTAL PHALANX, LEFT	0	1 1%	0	2 1%
DIGIT 5 PROXIMAL PHALANX, LEFT	43 30%	48 34%	50 34%	49 34%
DIGIT 5 DISTAL PHALANX, LEFT	18 13%	14 10%	8 5% #	18 13%

#/# : Fisher's Exact Test significant at level 5% (#) or 1% (##)

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

REP-SFS - 2
22-JUN-06

**SKELETAL EXAMINATIONS SUMMARY
STAGE OF DEVELOPMENT AND COMMON VARIANTS
ON A FETUS BASIS**

	GROUP 1 0 PPM	GROUP 2 1100/1300 PP	GROUP 3 3300/3900 PP	GROUP 4 11000/13000
NUMBER OF FETUSES EXAMINED	144	141	148	144
RIGHT FORELIMB				

NON-OSSIFIED				
DIGIT 1 DISTAL PHALANX, RIGHT	2 1%	2 1%	0	6 4%
DIGIT 2 PROXIMAL PHALANX, RIGHT	16 11%	20 14%	17 11%	15 10%
DIGIT 2 DISTAL PHALANX, RIGHT	0	2 1%	0	5 3% #
DIGIT 3 PROXIMAL PHALANX, RIGHT	0	1 1%	0	3 2%
DIGIT 3 DISTAL PHALANX, RIGHT	0	1 1%	0	2 1%
DIGIT 4 PROXIMAL PHALANX, RIGHT	0	2 1%	0	2 1%
DIGIT 4 DISTAL PHALANX, RIGHT	0	1 1%	0	2 1%
DIGIT 5 PROXIMAL PHALANX, RIGHT	43 30%	48 34%	50 34%	49 34%
DIGIT 5 DISTAL PHALANX, RIGHT	18 13%	15 11%	8 5% #	18 13%
LEFT HIND LIMB				

NON-OSSIFIED				
TALUS LEFT	109 76%	99 70%	110 74%	102 71%
METATARSALIA 1, LEFT	0	1 1%	3 2%	1 1%
TOE 2 PROXIMAL PHALANX, LEFT	16 11%	18 13%	36 24% ##	17 12%
TOE 3 PROXIMAL PHALANX, LEFT	9 6%	13 9%	21 14% #	9 6%
TOE 4 PROXIMAL PHALANX, LEFT	9 6%	13 9%	17 11%	9 6%
TOE 5 PROXIMAL PHALANX, LEFT	90 63%	86 61%	99 67%	92 64%
RIGHT HIND LIMB				

NON-OSSIFIED				
TALUS RIGHT	106 74%	99 70%	110 74%	106 74%
METATARSALIA 1, RIGHT	0	1 1%	2 1%	1 1%
TOE 2 PROXIMAL PHALANX, RIGHT	16 11%	18 13%	36 24% ##	17 12%
TOE 3 PROXIMAL PHALANX, RIGHT	9 6%	13 9%	20 14% #	9 6%
TOE 4 PROXIMAL PHALANX, RIGHT	8 6%	13 9%	18 12% #	9 6%
TOE 5 PROXIMAL PHALANX, RIGHT	89 62%	86 61%	97 66%	91 63%

#/## : Fisher's Exact Test significant at level 5% (#) or 1% (##)

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

REP-SCS - 1
22-JUN-06

**CARTILAGE EXAMINATIONS SUMMARY
COMMON VARIANTS - ON A LITTER BASIS**

	GROUP 1 0 FPM	GROUP 2 1100/1300 PF	GROUP 3 3300/3900 PF	GROUP 4 11000/13000
NUMBER OF LITTERS EXAMINED	22	22	22	21
ABNORMAL FINDING(S) (SHOWN ON PREVIOUS PAGE(S))	3 14%	3 14%	2 9%	4 19%
CARTILAGINOUS CERVICAL VERTEBRAE				
LONG				
VENTRAL PLATE, LEFT	2 9%	0	2 9%	3 14%
VENTRAL PLATE, RIGHT	2 9%	1 5%	1 5%	1 5%
CRANIAL SHIFT TO CERVICAL VERTEBRA 5 VENTRAL PLATE, RIGHT	2 9%	1 5%	0	0
CAUDAL SHIFT TO CERVICAL VERTEBRA 7 VENTRAL PLATE, LEFT	0	1 5%	0	0
VENTRAL PLATE, RIGHT	0	0	0	1 5%
CARTILAGINOUS STERNUM				
BRANCHED				
XIPHOID CARTILAGE	20 91%	19 86%	15 68%	14 67%
WITH SMALL HOLE				
XIPHOID CARTILAGE	14 64%	10 45%	19 86%	14 67%
COSTAL CARTILAGES				
LONG				
COSTAL CARTILAGE, 11 LEFT	3 14%	2 9%	2 9%	4 19%
COSTAL CARTILAGE, 11 RIGHT	3 14%	3 14%	2 9%	5 24%
INTERRUPTED				
COSTAL CARTILAGE, 10 LEFT	0	3 14%	5 23% #	3 14%
COSTAL CARTILAGE, 11 LEFT	13 59%	16 73%	14 64%	16 76%
COSTAL CARTILAGE, 10 RIGHT	0	0	2 9%	2 10%
COSTAL CARTILAGE, 11 RIGHT	16 73%	14 64%	12 55%	15 71%
COSTAL CARTILAGE(S), LEFT				
SUPERNUMERARY, ONE				
COSTAL CARTILAGE(S), LEFT	0	3 14%	2 9%	4 19% #
COSTAL CARTILAGE(S), RIGHT				
SUPERNUMERARY, ONE				
COSTAL CARTILAGE(S), RIGHT	1 5%	0	2 9%	3 14%

#/# : Fisher's Exact Test significant at level 5% (#) or 1% (##)

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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

REP-SCS - 1
22-JUN-06

**CARTILAGE EXAMINATIONS SUMMARY
COMMON VARIANTS - ON A FETUS BASIS**

	GROUP 1 0 PPM	GROUP 2 1100/1300 PP	GROUP 3 3300/3900 PP	GROUP 4 11000/13000
NUMBER OF FETUSES EXAMINED	144	141	148	144
ABNORMAL FINDING(S) (SHOWN ON PREVIOUS PAGE(S))	4 3%	3 2%	3 2%	4 3%
CARTILAGINOUS CERVICAL VERTEBRAE				
LONG				
VENTRAL PLATE, LEFT	2 1%	0	2 1%	3 2%
VENTRAL PLATE, RIGHT	3 2%	1 1%	1 1%	2 1%
CRANIAL SHIFT TO CERVICAL VERTEBRA 5				
VENTRAL PLATE, RIGHT	2 1%	1 1%	0	0
CAUDAL SHIFT TO CERVICAL VERTEBRA 7				
VENTRAL PLATE, LEFT	0	1 1%	0	0
VENTRAL PLATE, RIGHT	0	0	0	1 1%
CARTILAGINOUS STERNUM				
BRANCHED				
XIPHOID CARTILAGE	44 31%	30 21% #	30 20% #	29 20% #
WITH SMALL HOLE				
XIPHOID CARTILAGE	24 17%	13 9% #	37 25%	34 24%
COSTAL CARTILAGES				
LONG				
COSTAL CARTILAGE, 11 LEFT	4 3%	5 4%	2 1%	4 3%
COSTAL CARTILAGE, 11 RIGHT	4 3%	4 3%	4 3%	6 4%
INTERRUPTED				
COSTAL CARTILAGE, 10 LEFT	0	3 2%	5 3% #	4 3%
COSTAL CARTILAGE, 11 LEFT	32 22%	33 23%	38 26%	38 26%
COSTAL CARTILAGE, 10 RIGHT	0	0	2 1%	2 1%
COSTAL CARTILAGE, 11 RIGHT	41 28%	28 20%	23 16% ##	34 24%
COSTAL CARTILAGE(S), LEFT				
SUPERNUMERARY, ONE				
COSTAL CARTILAGE(S), LEFT	0	3 2%	2 1%	4 3%
COSTAL CARTILAGE(S), RIGHT				
SUPERNUMERARY, ONE				
COSTAL CARTILAGE(S), RIGHT	1 1%	0	3 2%	3 2%

#/# : Fisher's Exact Test significant at level 5% (#) or 1% (##)

71

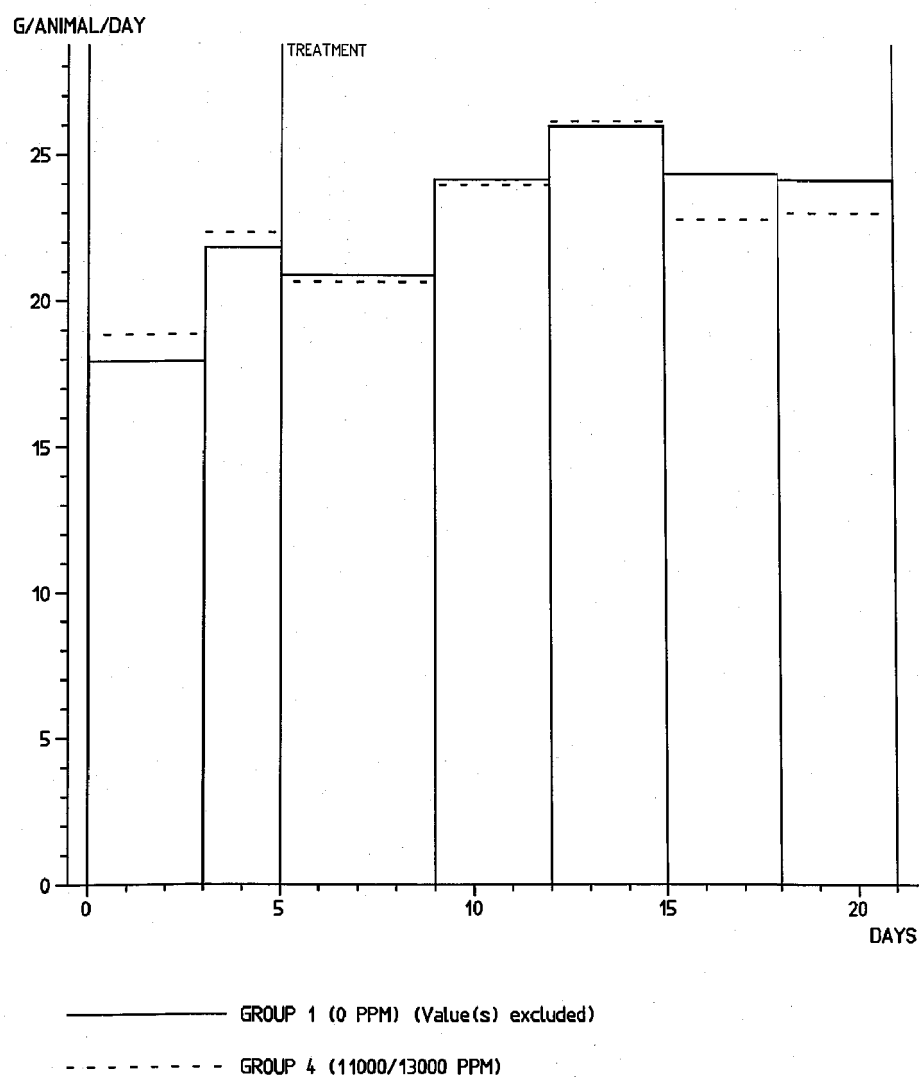
RCC STUDY NUMBER A29992
Ultrazine FG-R

9 FIGURES AND SUMMARY TABLES (ADDITIONAL GROUPS)

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FC-SPLT - 1
16-MAY-06

FOOD CONSUMPTION OF DAMS ADDITIONAL GROUPS - POST COITUM



RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FC-SUM - 1
16-MAY-06

FOOD CONSUMPTION (G/ANIMAL/DAY) OF DAMS SUMMARY
ADDITIONAL GROUPS - POST COITUM

			GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
DAYS	0-3	MEAN	17.9	18.8
		ST.DEV.	2.4	2.0
		N	21	22
DAYS	3-5	MEAN	21.8	22.3
		ST.DEV.	2.3	1.9
		N	21	22
DAYS	5-9	MEAN	20.9	20.6
		ST.DEV.	2.1	1.9
		N	21	22
DAYS	9-12	MEAN	24.1	24.0
		ST.DEV.	2.4	2.0
		N	21	22
DAYS	12-15	MEAN	26.0	26.1
		ST.DEV.	2.6	2.5
		N	21	22
DAYS	15-18	MEAN	24.3	22.8 *
		ST.DEV.	2.5	2.2
		N	21	22
DAYS	18-21	MEAN	24.1	23.0
		ST.DEV.	3.2	3.4
		N	21	22
MEAN OF MEANS			22.7	22.5

Explanations for excluded data are listed in the tables of individual values
* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RCC STUDY NUMBER A29992
Ultrazine FG-R

**DIFFERENCES IN MEAN FOOD CONSUMPTION OF DAMS (G/ANIMAL/DAY)
- ADDITIONAL GROUPS - POST COITUM**

Group	Days post coitum			
	0 - 3		3 - 5	
(ppm)	g	(%)	g	(%)
1 (0)	17.9		21.8	
4 (11000/13000)	18.8 (+5.0)		22.3 (+2.3)	

Group	Days post coitum			
	12 - 15		15 - 18	
(ppm)	g	(%)	g	(%)
1 (0)	26.0		24.3	
4 (11000/13000)	26.1 (+0.4)		22.8 (-6.2)	

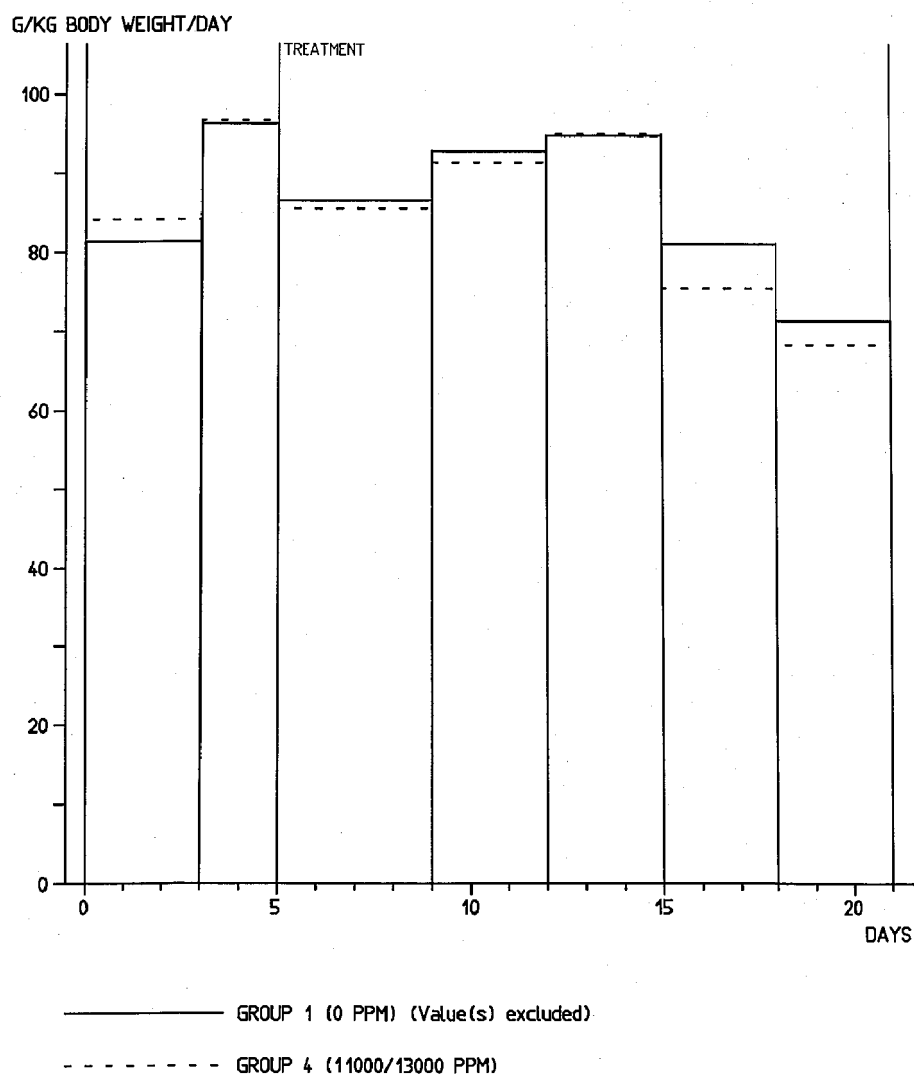
(%) = Percentages relative to the values of group 1.

* = The calculations of food consumption during the treatment period started on day 5 post coitum and ended on day 21 post coitum.

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

RFC-SPLT - 1
17-MAY-06

RELATIVE FOOD CONSUMPTION OF DAMS ADDITIONAL GROUPS - POST COITUM



RCC STUDY NUMBER A29992
ULTRAZINE FG-R

RFC-SUM - 1
17-MAY-06

RELATIVE FOOD CONSUMPTION OF DAMS SUMMARY
(G/KG BODY WEIGHT/DAY)
ADDITIONAL GROUPS - POST COITUM

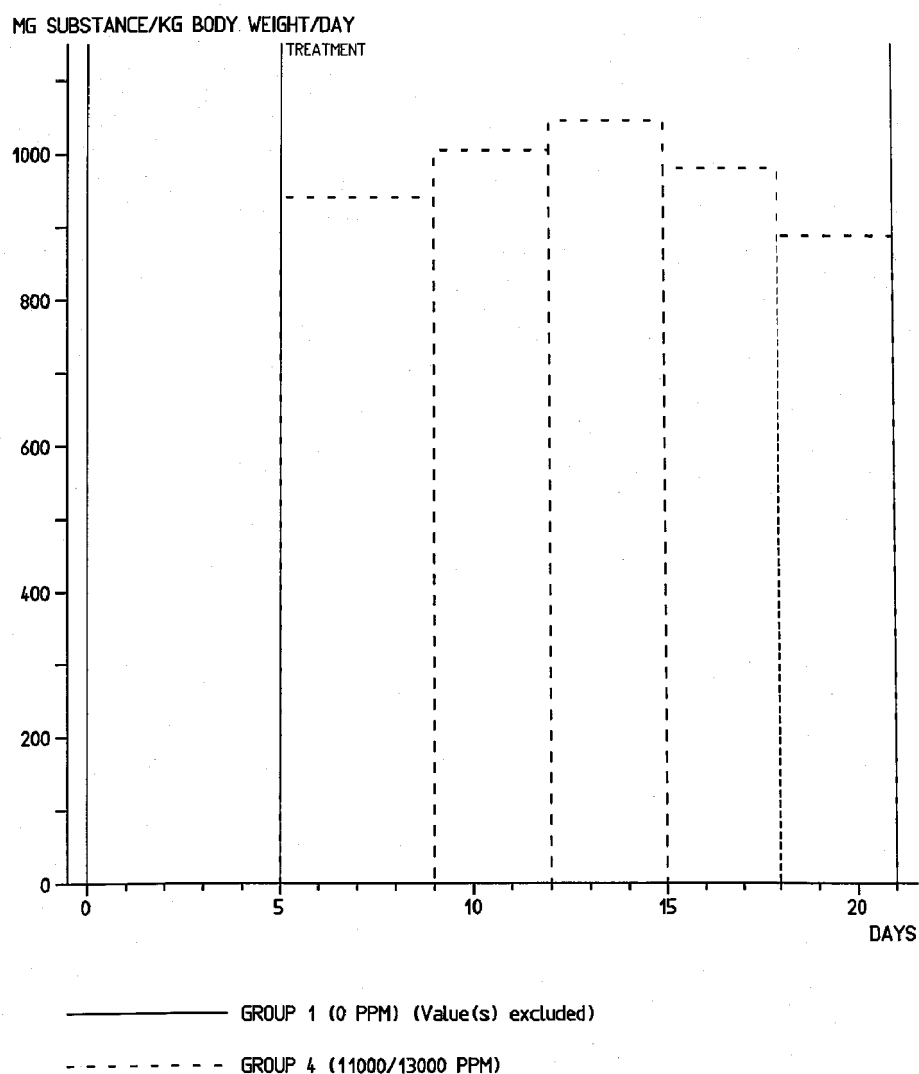
			GROUP 1 0 FPM	GROUP 4 11000/13000 FPM
DAYS	0-3	MEAN	81.3	84.1
		ST.DEV.	9.3	7.3
		N	21	22
DAYS	3-5	MEAN	96.3	96.7
		ST.DEV.	8.4	6.3
		N	21	22
DAYS	5-9	MEAN	86.5	85.5
		ST.DEV.	6.0	5.5
		N	21	22
DAYS	9-12	MEAN	92.8	91.3
		ST.DEV.	6.1	5.4
		N	21	22
DAYS	12-15	MEAN	94.7	95.0
		ST.DEV.	6.7	6.2
		N	21	22
DAYS	15-18	MEAN	81.0	75.4 **
		ST.DEV.	5.7	5.0
		N	21	22
DAYS	18-21	MEAN	71.2	68.2
		ST.DEV.	7.2	8.7
		N	21	22
MEAN OF MEANS			86.3	85.2

Explanations for excluded data are listed in the tables of individual values
* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FTAI-SPL - 1
17-MAY-06

TEST ITEM INTAKE OF DAMS ADDITIONAL GROUPS - POST COITUM



RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FTAI-SUM - 1
17-MAY-06

**TEST ITEM INTAKE OF DAMS SUMMARY
(MG SUBSTANCE/KG BODY WEIGHT/DAY)
ADDITIONAL GROUPS - POST COITUM**

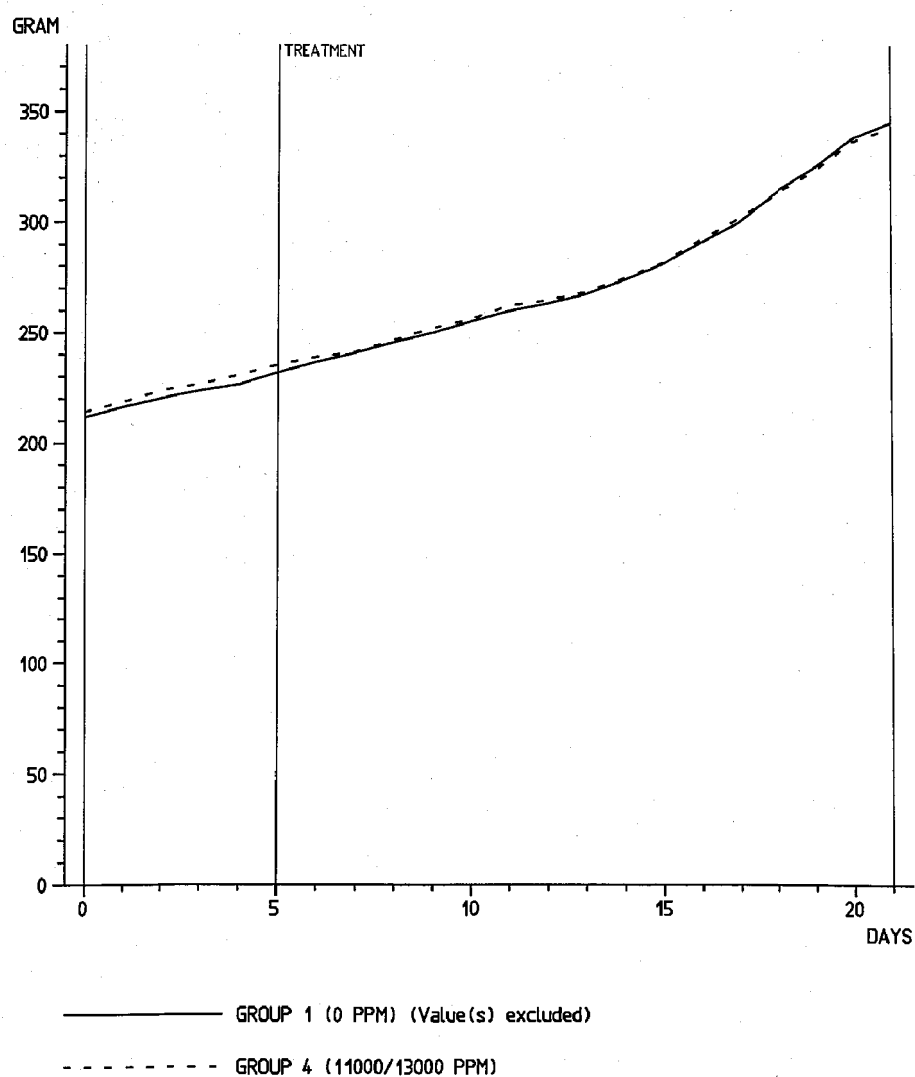
			GROUP 1	GROUP 4
			0 PPM	11000/13000 PPM
DAYS	5-9	MEAN	0.0	940.4
		ST.DEV.	0.0	60.3
		N	21	22
DAYS	9-12	MEAN	0.0	1004.4
		ST.DEV.	0.0	59.9
		N	21	22
DAYS	12-15	MEAN	0.0	1044.9
		ST.DEV.	0.0	68.6
		N	21	22
DAYS	15-18	MEAN	0.0	980.1
		ST.DEV.	0.0	65.5
		N	21	22
DAYS	18-21	MEAN	0.0	886.8
		ST.DEV.	0.0	112.6
		N	21	22
MEAN OF MEANS			0.0	971.3

Explanations for excluded data are listed in the tables of individual values

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-SPLT - 1
16-MAY-06

BODY WEIGHTS OF DAMS ADDITIONAL GROUPS - POST COITUM



80

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-SUM - 1
16-MAY-06

**BODY WEIGHTS (GRAM) OF DAMS SUMMARY
ADDITIONAL GROUPS - POST COITUM**

			GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
DAY	0	MEAN	212	214
		ST.DEV.	10.0	8.1
		N	21	22
DAY	1	MEAN	216	219
		ST.DEV.	10.3	9.2
		N	21	22
DAY	2	MEAN	220	224
		ST.DEV.	10.8	10.8
		N	21	22
DAY	3	MEAN	224	227
		ST.DEV.	11.0	10.4
		N	21	22
DAY	4	MEAN	226	231
		ST.DEV.	11.1	10.3
		N	21	22
DAY	5	MEAN	232	235
		ST.DEV.	11.7	10.1
		N	21	22
DAY	6	MEAN	237	239
		ST.DEV.	12.8	12.5
		N	21	22
DAY	7	MEAN	241	241
		ST.DEV.	13.9	12.6
		N	21	22
DAY	8	MEAN	246	247
		ST.DEV.	13.3	12.9
		N	21	22
DAY	9	MEAN	250	252
		ST.DEV.	14.5	13.6
		N	21	22
DAY	10	MEAN	255	256
		ST.DEV.	14.3	13.7
		N	21	22
DAY	11	MEAN	260	262
		ST.DEV.	14.8	13.4
		N	21	22
DAY	12	MEAN	263	265
		ST.DEV.	15.4	14.7
		N	21	22
DAY	13	MEAN	267	268
		ST.DEV.	16.2	14.3
		N	21	22
DAY	14	MEAN	274	275
		ST.DEV.	17.3	13.9
		N	21	22
DAY	15	MEAN	281	281
		ST.DEV.	18.1	15.3
		N	21	22
DAY	16	MEAN	291	292
		ST.DEV.	19.2	15.4
		N	21	22

Explanations for excluded data are listed in the tables of individual values
* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-SUM - 2
16-MAY-06

**BODY WEIGHTS (GRAM) OF DAMS SUMMARY
ADDITIONAL GROUPS - POST COITUM**

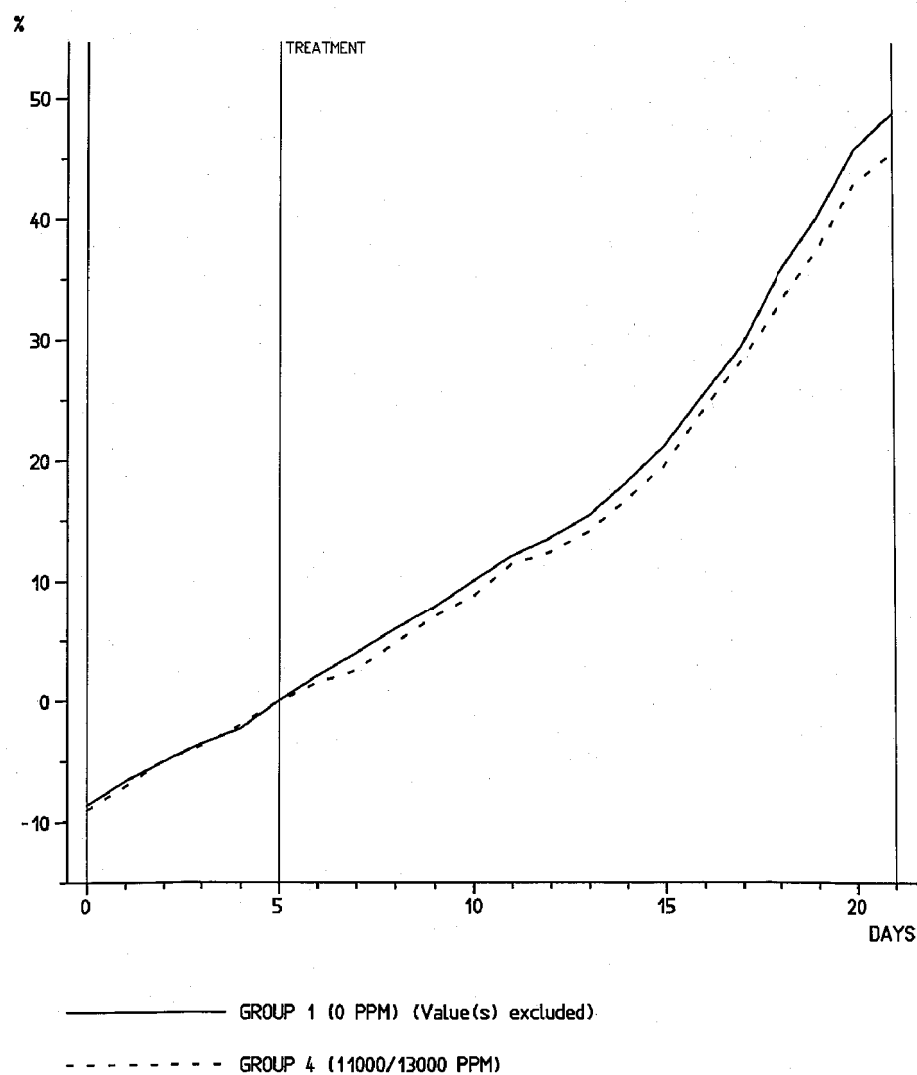
			GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
DAY	17	MEAN	300	302
		ST.DEV.	19.4	17.0
		N	21	22
DAY	18	MEAN	314	313
		ST.DEV.	20.4	15.7
		N	21	22
DAY	19	MEAN	324	323
		ST.DEV.	21.9	16.4
		N	21	22
DAY	20	MEAN	338	336
		ST.DEV.	24.8	18.4
		N	21	22
DAY	21	MEAN	345	343
		ST.DEV.	26.9	19.2
		N	21	22

Explanations for excluded data are listed in the tables of individual values
* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BWG-SPLT - 1
16-MAY-06

BODY WEIGHT GAIN OF DAMS ADDITIONAL GROUPS - POST COITUM



RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BWG-SUM - 1
16-MAY-06

**BODY WEIGHT GAIN (%) OF DAMS SUMMARY
ADDITIONAL GROUPS - POST COITUM**

			GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
DAY	0	MEAN	-9	-9
		ST.DEV.	2.1	1.3
		N	21	22
DAY	1	MEAN	-7	-7
		ST.DEV.	1.6	1.1
		N	21	22
DAY	2	MEAN	-5	-5
		ST.DEV.	1.4	1.2
		N	21	22
DAY	3	MEAN	-4	-4
		ST.DEV.	2.0	1.1
		N	21	22
DAY	4	MEAN	-2	-2
		ST.DEV.	2.0	0.9
		N	21	22
DAY	5	MEAN	0	0
		ST.DEV.	0.0	0.0
		N	21	22
DAY	6	MEAN	2	2
		ST.DEV.	2.0	1.7
		N	21	22
DAY	7	MEAN	4	2 *
		ST.DEV.	1.7	2.5
		N	21	22
DAY	8	MEAN	6	5 *
		ST.DEV.	1.8	1.7
		N	21	22
DAY	9	MEAN	8	7
		ST.DEV.	1.6	2.1
		N	21	22
DAY	10	MEAN	10	9
		ST.DEV.	2.1	2.5
		N	21	22
DAY	11	MEAN	12	11
		ST.DEV.	2.4	1.8
		N	21	22
DAY	12	MEAN	14	12
		ST.DEV.	1.8	2.4
		N	21	22
DAY	13	MEAN	15	14
		ST.DEV.	2.8	2.2
		N	21	22
DAY	14	MEAN	18	17
		ST.DEV.	2.6	2.2
		N	21	22
DAY	15	MEAN	21	20
		ST.DEV.	3.3	2.7
		N	21	22
DAY	16	MEAN	25	24
		ST.DEV.	3.6	2.7
		N	21	22

Explanations for excluded data are listed in the tables of individual values
* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BWG-SUM - 2
16-MAY-06

**BODY WEIGHT GAIN (%) OF DAMS SUMMARY
ADDITIONAL GROUPS - POST COITUM**

			GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
DAY	17	MEAN	29	28
		ST.DEV.	3.9	3.3
		N	21	22
DAY	18	MEAN	35	33 *
		ST.DEV.	4.4	2.7
		N	21	22
DAY	19	MEAN	40	37 *
		ST.DEV.	5.0	3.6
		N	21	22
DAY	20	MEAN	46	43
		ST.DEV.	6.4	4.0
		N	21	22
DAY	21	MEAN	49	46 *
		ST.DEV.	6.1	4.2
		N	21	22

Explanations for excluded data are listed in the tables of individual values
* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RCC STUDY NUMBER A29992
Ultrazine FG-R

**DIFFERENCES IN MEAN BODY WEIGHT GAIN OF DAMS (G) - ADDITIONAL GROUPS
- POST COITUM**

Group (ppm)	Days post coitum									
	0 - 3		3 - 5		5 - 9		9 - 12		12 - 15	
	g	(%)	g	(%)	g	(%)	g	(%)	g	(%)
1 (0)	12	(+5.7)	8	(+3.6)	18	(+7.8)	13	(+5.2)	18	(+6.8)
4 (11000/13000)	13	(+6.1)	8	(+3.5)	17	(+7.2)	13	(+5.2)	16	(+6.0)

Group	Days post coitum						Corrected body weight gain % (see pp. 253, 254)
	15 - 18		18 - 21		5 - 21*		
(ppm)	g	(%)	g	(%)	g	(%)	
1 (0)	33	(+11.7)	31	(+9.9)	113	(+48.7)	11.4
4 (11000/13000)	32	(+11.4)	30	(+9.6)	108	(+46.0)	9.1

(%) = Alterations within the respective period.

* = The calculations of body weight gain during the treatment period started on day 5 post coitum and ended on day 21 post coitum.

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-REPS - 1
17-MAY-06

**REPRODUCTION DATA SUMMARY
ADDITIONAL GROUPS**

	GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
NUMBER OF DAMS	21	22
CORPORA LUTEA	309	323
MEAN (+)	14.7	14.7
ST.DEV.	1.5	1.4
PRE-IMPLANTATION LOSS	24	27
% OF CORP. LUTEA (#)	7.8	8.4
MEAN (+)	1.1	1.2
ST.DEV.	1.2	1.3
NUMBER OF DAMS AFFECTED	14	15
IMPLANTATION SITES	285	296
% OF CORP. LUTEA (#)	92.2	91.6
MEAN (+)	13.6	13.5
ST.DEV.	2.2	1.8
POST-IMPLANTATION LOSS	25	15
% OF IMPL. SITES (#)	8.8	5.1
MEAN (+)	1.2	0.7
ST.DEV.	1.3	0.7
NUMBER OF DAMS AFFECTED	12	12
IMPLANTATION SITE SCARS	0	0
EMBRYONIC/FETAL DEATHS TOTAL	25	15
EMBRYONIC RESORPTIONS	21	12
% OF IMPL. SITES (#)	7.4	4.1
MEAN (+)	1.0	0.5
ST.DEV.	1.1	0.7
NUMBER OF DAMS AFFECTED	11	9
FETAL RESORPTIONS	4	3
% OF IMPL. SITES (#)	1.4	1.0
MEAN (+)	0.2	0.1
ST.DEV.	0.5	0.4
NUMBER OF DAMS AFFECTED	3	3
FETUSES		
TOTAL FETUSES	260	281
% OF IMPL. SITES (#)	91.2	94.9
MEAN (+)	12.4	12.8
ST.DEV.	2.5	2.0
LIVE FETUSES	260	281
DEAD FETUSES	0	0
ABNORMAL FETUSES	1	0
% OF FETUSES (#)	0.4	
MEAN (+)	0.0	
ST.DEV.	0.2	
NUMBER OF DAMS AFFECTED	1	
ABNORMAL LIVE FETUSES AT EXTERNAL EXAMINATION	1	0
ABNORMAL DEAD FETUSES AT EXTERNAL EXAMINATION	0	0

*/** : Dunnett-Test based on pooled variance significant at level 5% (*) or 1% (**)
#/# : Fisher's Exact Test significant at level 5% (#) or 1% (##)
+ : Steel Test significant at level 5%

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-REPS - 2
17-MAY-06

**REPRODUCTION DATA SUMMARY
ADDITIONAL GROUPS**

	GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
NUMBER OF DAMS	21	22
SEX OF FETUSES		
TOTAL MALES	127	134
% OF FETUSES (#)	48.8	47.7
MEAN (+)	6.0	6.1
ST.DEV.	2.1	1.9
TOTAL FEMALES	133	147
% OF FETUSES (#)	51.2	52.3
MEAN (+)	6.3	6.7
ST.DEV.	2.6	2.7
LIVE MALES	127	134
LIVE FEMALES	133	147
WEIGHTS OF LIVE FETUSES (G) (LITTER BASIS)		
TOTAL FETUSES		
N (LITTERS)	21	22
MEAN (*)	4.9	4.8
ST.DEV.	0.2	0.3
MALES		
N (LITTERS)	21	22
MEAN (*)	5.0	4.9
ST.DEV.	0.3	0.3
FEMALES		
N (LITTERS)	21	22
MEAN (*)	4.8	4.7
ST.DEV.	0.2	0.3
WEIGHTS OF LIVE FETUSES (G) (INDIVIDUAL BASIS)		
TOTAL FETUSES		
N (FETUSES)	260	281
MEAN (*)	4.9	4.7 **
ST.DEV.	0.4	0.4
MALES		
N (FETUSES)	127	134
MEAN (*)	5.0	4.9
ST.DEV.	0.4	0.4
FEMALES		
N (FETUSES)	133	147
MEAN (*)	4.7	4.6 **
ST.DEV.	0.3	0.4

*/** : Dunnett-Test based on pooled variance significant at level 5% (*) or 1% (**)
#/## : Fisher's Exact Test significant at level 5% (#) or 1% (##)
+ : Steel Test significant at level 5%

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-DAM - 1
17-MAY-06

**REPRODUCTION DATA
ADDITIONAL GROUPS
GROUP 1 (0 PPM)**

FEMALE	CORP. LUTEA	IMPL.	-EMBRYONIC DEATHS--			TOTAL	----- FETUSES -----				MALF.	
			TOTAL	EMBR. STAGE	FETAL STAGE		LIVE MALE FEM.	DEAD MALE FEM.	DEAD MALE FEM.	MALE FEM.	MALE FEM.	MALE FEM.
101	14	14	0	0	0	14	9	5	0	0	0	0
102	12	10	2	2	0	8	3	5	0	0	0	0
103	13	11	2	2	0	9	6	3	0	0	0	0
104	14	9	3	3	0	6	3	3	0	0	0	0
105	15	14	0	0	0	14	3	11	0	0	0	0
106	15	14	0	0	0	14	4	10	0	0	0	0
107	12	10	0	0	0	10	8	2	0	0	0	0
108	15	15	0	0	0	15	6	9	0	0	0	0
109	13	12	0	0	0	12	10	2	0	0	0	0
110	16	16	3	3	0	13	9	4	0	0	0	0
111	16	15	1	1	0	14	5	9	0	0	0	0
112	16	15	4	2	2	11	5	6	0	0	0	0
113	16	15	1	1	0	14	5	9	0	0	0	0
114	16	16	1	0	1	15	8	7	0	0	0	0
115	14	11	0	0	0	11	5	6	0	0	0	0
116	15	15	3	3	0	12	5	7	0	0	0	0
117	17	16	2	2	0	14	8	6	0	0	0	0
118	15	14	2	1	1	12	5	7	0	0	0	0
119	17	15	0	0	0	15	7	8	0	0	1	0
120	13	13	0	0	0	13	5	8	0	0	0	0
121	15	15	1	1	0	14	8	6	0	0	0	0
122 <NP>												
TOTAL	309	285	25	21	4	260	127	133	0	0	1	0
MEAN	14.7	13.6	1.2	1.0	0.2	12.4	6.0	6.3			0.0	
ST.DEV.	1.5	2.2	1.3	1.1	0.5	2.5	2.1	2.6			0.2	

Reason for Exclusion from Evaluation :
<NP> Not pregnant

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-DAM - 2
17-MAY-06

**REPRODUCTION DATA
ADDITIONAL GROUPS
GROUP 4 (11000/13000 PPM)**

FEMALE	CORP. LUTEA	IMPL.	-EMBRYONIC DEATHS--			TOTAL	LIVE		FETUSES		DEAD		MALF.	
			TOTAL	EMBR. STAGE	FETAL STAGE		MALE	FEM.	MALE	FEM.	MALE	FEM.	MALE	FEM.
123	17	16	1	1	0	15	9	6	0	0	0	0	0	0
124	13	12	1	0	1	11	5	6	0	0	0	0	0	0
125	13	9	0	0	0	9	4	5	0	0	0	0	0	0
126	13	12	0	0	0	12	9	3	0	0	0	0	0	0
127	15	15	0	0	0	15	3	12	0	0	0	0	0	0
128	16	14	2	2	0	12	7	5	0	0	0	0	0	0
129	15	12	2	2	0	10	6	4	0	0	0	0	0	0
130	13	12	1	1	0	11	7	4	0	0	0	0	0	0
131	16	12	1	1	0	11	4	7	0	0	0	0	0	0
132	14	14	0	0	0	14	8	6	0	0	0	0	0	0
133	14	13	1	1	0	12	9	3	0	0	0	0	0	0
134	15	15	0	0	0	15	3	12	0	0	0	0	0	0
135	13	13	1	1	0	12	7	5	0	0	0	0	0	0
136	15	14	1	1	0	13	4	9	0	0	0	0	0	0
137	14	13	0	0	0	13	5	8	0	0	0	0	0	0
138	16	15	0	0	0	15	5	10	0	0	0	0	0	0
139	14	14	0	0	0	14	6	8	0	0	0	0	0	0
140	15	11	1	0	1	10	6	4	0	0	0	0	0	0
141	15	15	2	2	0	13	9	4	0	0	0	0	0	0
142	17	16	0	0	0	16	6	10	0	0	0	0	0	0
143	17	16	1	0	1	15	7	8	0	0	0	0	0	0
144	13	13	0	0	0	13	5	8	0	0	0	0	0	0
<hr/>														
TOTAL	323	295	15	12	3	281	134	147	0	0	0	0	0	0
MEAN	14.7	13.5	0.7	0.5	0.1	12.8	6.1	6.7						
ST.DEV.	1.4	1.8	0.7	0.7	0.4	2.0	1.9	2.7						

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-FET - 1
17-MAY-06

BODY WEIGHTS OF LIVE FETUSES SUMMARY (PER DAM)
ADDITIONAL GROUPS
GROUP 1 (0 PPM)

LITTER	- MALES AND FEMALES -			----- MALES -----			----- FEMALES -----		
	N	MEAN (G)	ST.DEV.	N	MEAN (G)	ST.DEV.	N	MEAN (G)	ST.DEV.
101	14	5.0	0.2	9	5.0	0.2	5	4.9	0.4
102	8	5.3	0.2	3	5.5	0.1	5	5.2	0.2
103	9	5.0	0.2	6	5.0	0.2	3	4.9	0.2
104	6	4.7	0.4	3	4.8	0.4	3	4.7	0.5
105	14	4.9	0.2	3	5.0	0.2	11	4.9	0.2
106	14	4.9	0.3	4	5.2	0.2	10	4.8	0.2
107	10	5.2	0.2	8	5.2	0.2	2	5.1	0.1
108	15	4.7	0.3	6	4.9	0.3	9	4.6	0.2
109	12	5.2	0.5	10	5.3	0.5	2	4.8	0.3
110	13	4.9	0.3	9	4.9	0.3	4	4.9	0.3
111	14	4.9	0.2	5	5.1	0.1	9	4.8	0.2
112	11	5.0	0.4	5	5.2	0.3	6	4.9	0.3
113	14	4.5	0.2	5	4.6	0.2	9	4.4	0.2
114	15	4.6	0.2	8	4.7	0.1	7	4.4	0.2
115	11	5.1	0.3	5	5.3	0.1	6	4.9	0.3
116	12	4.7	0.4	5	4.8	0.4	7	4.6	0.4
117	14	4.7	0.3	8	4.9	0.3	6	4.5	0.3
118	12	5.0	0.2	5	5.1	0.2	7	4.9	0.3
119	15	4.4	0.5	7	4.3	0.7	8	4.5	0.3
120	13	5.1	0.2	5	5.2	0.2	8	5.0	0.2
121	14	4.8	0.5	8	4.9	0.5	6	4.5	0.5
122 <NP>									
N	260	21		127	21		133	21	
MEAN (G)	12.4	4.9		6.0	5.0		6.3	4.8	
ST.DEV.	2.5	0.2		2.1	0.3		2.6	0.2	

Reason for Exclusion from Evaluation :
<NP> Not pregnant

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-FET - 2
17-MAY-06

**BODY WEIGHTS OF LIVE FETUSES SUMMARY (PER DAM)
ADDITIONAL GROUPS
GROUP 4 (11000/13000 PPM)**

LITTER	- MALES AND FEMALES -			----- MALES -----			----- FEMALES -----		
	N	MEAN(G)	ST.DEV.	N	MEAN(G)	ST.DEV.	N	MEAN(G)	ST.DEV.
123	15	5.0	0.3	9	5.1	0.2	6	5.0	0.4
124	11	4.9	0.3	5	4.9	0.4	6	4.9	0.3
125	9	5.0	0.3	4	5.2	0.2	5	4.9	0.3
126	12	4.7	0.6	9	4.8	0.5	3	4.3	0.6
127	15	4.4	0.5	3	4.4	1.2	12	4.4	0.2
128	12	5.4	0.3	7	5.5	0.4	5	5.3	0.2
129	10	5.4	0.3	6	5.4	0.3	4	5.3	0.2
130	11	5.3	0.3	7	5.4	0.3	4	5.1	0.2
131	11	4.6	0.4	4	4.7	0.4	7	4.5	0.4
132	14	4.5	0.2	8	4.6	0.2	6	4.4	0.2
133	12	4.9	0.2	9	5.0	0.2	3	4.6	0.0
134	15	4.6	0.2	3	4.7	0.3	12	4.6	0.2
135	12	5.1	0.3	7	5.2	0.2	5	5.0	0.4
136	13	4.3	0.2	4	4.3	0.3	9	4.3	0.2
137	13	4.7	0.3	5	5.0	0.2	8	4.6	0.3
138	15	4.5	0.3	5	4.6	0.3	10	4.5	0.3
139	14	4.7	0.2	6	4.7	0.2	8	4.7	0.2
140	10	4.6	0.3	6	4.7	0.3	4	4.6	0.2
141	13	4.6	0.3	9	4.7	0.1	4	4.3	0.2
142	16	4.4	0.4	6	4.6	0.2	10	4.2	0.5
143	15	4.6	0.2	7	4.7	0.2	8	4.6	0.3
144	13	4.6	0.3	5	4.8	0.4	8	4.5	0.2
<hr/>									
N	281	22		134	22		147	22	
MEAN(G)	12.8	4.8		6.1	4.9		6.7	4.7	
ST.DEV.	2.0	0.3		1.9	0.3		2.7	0.3	

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-DIST - 1
17-MAY-06

DISTRIBUTION WITHIN UTERUS
ADDITIONAL GROUPS
GROUP 1 (0 PPM)

IMPLAN- TATIONS	EMPTY SITES	LEFT HORN		FETUSES DEAD LIVE	POSITION IN UTERUS	FETUSES LIVE DEAD	RIGHT HORN		EMPTY SITES	IMPLAN- TATIONS
		RESORPTIONS EMBR. FETAL					RESORPTIONS FETAL EMBR.			
21	.	2	1	.	18	< 1>	21	.	.	21
20	.	1	.	.	19	< 2>	19	.	1	21
19	.	3	.	.	16	< 3>	18	.	2	21
18	.	1	.	.	17	< 4>	18	.	2	20
15	15	< 5>	16	.	2	18
13	.	2	.	.	11	< 6>	14	.	2	16
11	11	< 7>	12	.	1	14
7	.	1	.	.	6	< 8>	11	.	1	12
4	4	< 9>	6	.	.	6
2	2	<10>	3	.	.	3
2	2	<11>	1	.	.	1

IMPLANTATION SITES

```

21 =====< 1>===== 21
20 =====< 2>===== 21
19 =====< 3>===== 21
18 =====< 4>===== 20
15 =====< 5>===== 18
13 =====< 6>===== 16
11 =====< 7>===== 14
7 =====< 8>===== 12
4 =====< 9>===== 6
2 =====<10>===== 3
2 =====<11>===== 1

```

LIVE FETUSES

```

18 =====< 1>===== 21
19 =====< 2>===== 19
16 =====< 3>===== 18
17 =====< 4>===== 18
15 =====< 5>===== 16
11 =====< 6>===== 14
11 =====< 7>===== 12
6 =====< 8>===== 11
4 =====< 9>===== 6
2 =====<10>===== 3
2 =====<11>===== 1

```

RESORPTIONS

```

3 ===< 1>
1 = < 2> == 2
3 ===< 3> == 3
1 = < 4> == 2
2 = < 5> == 2
2 = < 6> == 2
1 = < 7> == 2
1 = < 8> == 1
< 9>
<10>
<11>

```


RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-DIST - 2
17-MAY-06

**DISTRIBUTION WITHIN UTERUS
ADDITIONAL GROUPS
GROUP 4 (11000/13000 PPM)**

IMPLAN- TATIONS	EMPTY SITES	LEFT HORN		FETUSES DEAD LIVE	POSITION IN UTERUS	FETUSES LIVE DEAD	RIGHT HORN		EMPTY SITES	IMPLAN- TATIONS
		RESORPTIONS EMBR.	FETAL				RESORPTIONS FETAL	EMBR.		
22	.	1	.	21	< 1>	21	.	.	.	21
22	.	1	.	21	< 2>	20	.	1	.	21
22	.	2	.	20	< 3>	19	.	1	.	20
22	.	.	.	22	< 4>	19	.	1	.	20
21	.	.	.	21	< 5>	15	.	1	.	17
17	.	1	.	16	< 6>	11	.	2	.	13
16	.	1	1	14	< 7>	9	.	1	.	10
14	.	.	.	14	< 8>	2	.	.	.	2
12	.	.	.	12	< 9>					
3	.	.	.	3	<10>					
1	.	.	.	1	<11>					

IMPLANTATION SITES

```

22 =====< 1>===== 21
22 =====< 2>===== 21
22 =====< 3>===== 20
22 =====< 4>===== 20
21 =====< 5>===== 17
 17 =====< 6>===== 13
 16 =====< 7>===== 10
 14 =====< 8>===== 2
 12 =====< 9>=====
   3 =====<10>=====
   1 =====<11>=====

```

LIVE FETUSES

```

21 =====< 1>===== 21
21 =====< 2>===== 20
20 =====< 3>===== 19
22 =====< 4>===== 19
21 =====< 5>===== 15
 16 =====< 6>===== 11
 14 =====< 7>===== 9
 14 =====< 8>===== 2
 12 =====< 9>=====
   3 =====<10>=====
   1 =====<11>=====

```

RESORPTIONS

```

1 = < 1>
1 = < 2> = 1
2 = < 3> = 1
  < 4> = 1
  < 5> = 2
1 = < 6> = 2
2 = < 7> = 1
  < 8>
  < 9>
  <10>
  <11>

```

RCC STUDY NUMBER A29992
Ultrazine FG-R

EXTERNAL EXAMINATION OF FETUSES - ADDITIONAL GROUPS

Group (ppm)	Number of fetuses examined	Type of abnormal finding	Litter number	Fetus number/sex
1 (0)	260	Cleft palate	119	2411/M
4 (11000/13000)	281	No abnormal findings noted		

RCC STUDY NUMBER A29992
Ultrazine FG-R

**FINDINGS FROM VISCERAL EXAMINATION OF FETUSES (MICRODISSECTION
TECHNIQUE) - ADDITIONAL GROUPS - SUMMARY**

	Group 1 0 ppm		Group 4 11000/13000 ppm	
Number of litters	21		22	
Number of fetuses examined	134		147	
Incidences of fetuses with	N	%	N	%
Subcutaneous haemorrhage - limb (unilateral)	3	2	0	0
Subcutaneous haemorrhage - head	31	23	23	16
Tongue haemorrhage intrinsic muscle	1	1	0	0
Brain, pituitary gland reduced in size and misshapen	0	0	1	1
Cleft palate	1	1	0	0
Trachea narrowed and with disorganised cartilage	0	0	1	1
Thymus cranial elongation (uni-/bilateral)	2	1	4	3
Lung abnormal lobulation	1	1	0	0
Lung right caudal and accessory lobes partially fused	1	1	1	1
Diaphragm tendinous region locally thinned	3	2	6	4
Liver additional lobe(s) within median cleft	12	9	12	8
Liver additional cleft	3	2	3	2
Kidney displaced, caudal, right	1	1	0	0
Renal pelvis and ureter dilated, left	0	0	1	1
Renal pelvis dilated, left	1	1	0	0
Testis medial displacement (unilateral)	0	0	2	1
Testis cranial displacement (unilateral)	1	1	3	2
Umbilical artery left-sided	10	7	16	11
Situs inversus	0	0	1	1
Multiple malformations*	0	0	1	1
Litters with any abnormal finding	20	95	20	91
Fetuses with any abnormal finding	56	42	58	39

* = Fetus No. 2153 (litter 126) in group 4 had multiple malformation.

RCC STUDY NUMBER A29992
Ultrazine FG-R

**ABNORMAL FINDINGS OR VARIATIONS FROM FETAL SKELETAL EXAMINATION
- ADDITIONAL GROUPS - SUMMARY**

	Group 1 0 ppm		Group 4 11000/13000 ppm	
Number of litters examined	21		22	
Number of fetuses examined	126		134	
Incidences of fetuses with	N	%	N	%
Bones				
Zygomatic arch fusion (uni-/bilateral)	6	5	4	3
Sternebrae offset	0	0	1	1
Sternebrae bipartite ossification	1	1	0	0
Rudimentary cervical rib	1	1	3	2
Cervical vertebral body not ossified	0	0	1	1
Thoracic vertebral body incompletely ossified	0	0	1	1
Lumbar vertebral arch additional ossification (uni-/bilateral)	1	1	2	1
Pelvic girdle uni-/bilateral caudal displacement (27 pre-pelvic arches)	8	6	2	1
Cartilages				
Additional ventral plate	0	0	1	1
Costal cartilages asymmetrically aligned	0	0	1	1
Additional costal cartilage	1	1	0	0
Costal cartilage interrupted	1	1	0	0
Cervical vertebral body dumbbell-shaped	0	0	1	1
Thoracic vertebral body misshapen	0	0	1	1
Sternebra branched	1	1	0	0
Litters with any findings	11	52	11	8
Fetuses with any finding	16	13	14	10

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

REP-SFS - 1
22-JUN-06

**SKELETAL EXAMINATIONS SUMMARY
STAGE OF DEVELOPMENT AND COMMON VARIANTS
ADDITIONAL GROUPS - ON A LITTER BASIS**

	GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
NUMBER OF LITTERS EXAMINED	21	22
ABNORMAL FINDING(S) (SHOWN ON PREVIOUS PAGE(S))	11 52%	10 45%
CRANIUM		

INCOMPLETELY OSSIFIED		
OS OCCIPITALE	1 5%	0
OS PARIETALE, BILATERAL	3 14%	1 5%
OS INTERPARIETALE	6 29%	3 14%
OS PARIETALE, RIGHT	1 5%	0
ZYGOMATIC PROCESS OF MAXILLA, LEFT	1 5%	0
JUGAL, LEFT	1 5%	0
JUGAL, RIGHT	1 5%	2 9%
ZYGOMATIC PROCESS OF SQUAMOSAL, LEFT	0	1 5%
ZYGOMATIC PROCESS OF SQUAMOSAL, RIGHT	0	1 5%
CERVICAL VERTEBRAE		

NON-OSSIFIED		
CERVICAL VERTEBRAL BODY 1	4 19%	4 18%
CERVICAL VERTEBRAL BODY 2	4 19%	5 23%
CERVICAL VERTEBRAL BODY 3	2 10%	3 14%
CERVICAL VERTEBRAL BODY 4	1 5%	2 9%
CERVICAL VERTEBRAL BODY 5	2 10%	2 9%
CERVICAL VERTEBRAL BODY 6	1 5%	2 9%
STERNUM		

INCOMPLETELY OSSIFIED		
STERNEBRA 5	1 5%	1 5%
STERNEBRA 6	1 5%	1 5%
NON-OSSIFIED		
STERNEBRA 5	1 5%	1 5%
STERNEBRA 6	1 5%	0
RIB(S), LEFT		

SUPERNUMERARY, ONE		
RIB(S), LEFT	1 5%	1 5%
SUPERNUMERARY, ONE RUDIMENTARY		
RIB(S), LEFT	14 67%	17 77%
RIB(S), RIGHT		

SUPERNUMERARY, ONE		
RIB(S), RIGHT	1 5%	0
SUPERNUMERARY, ONE RUDIMENTARY		
RIB(S), RIGHT	10 48%	13 59%
LEFT FORELIMB		

NON-OSSIFIED		
DIGIT 1 DISTAL PHALANX, LEFT	1 5%	1 5%
DIGIT 2 PROXIMAL PHALANX, LEFT	7 33%	7 32%
DIGIT 2 DISTAL PHALANX, LEFT	1 5%	0
DIGIT 3 PROXIMAL PHALANX, LEFT	1 5%	1 5%
DIGIT 3 DISTAL PHALANX, LEFT	1 5%	0
DIGIT 4 PROXIMAL PHALANX, LEFT	1 5%	1 5%
DIGIT 4 DISTAL PHALANX, LEFT	1 5%	0
DIGIT 5 PROXIMAL PHALANX, LEFT	18 86%	14 64%
DIGIT 5 DISTAL PHALANX, LEFT	3 14%	5 23%

#/## : Fisher's Exact Test significant at level 5% (#) or 1% (##)

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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

REP-SFS - 2
22-JUN-06

**SKELETAL EXAMINATIONS SUMMARY
STAGE OF DEVELOPMENT AND COMMON VARIANTS
ADDITIONAL GROUPS - ON A LITTER BASIS**

	GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
NUMBER OF LITTERS EXAMINED	21	22
RIGHT FORELIMB		

NON-OSSIFIED		
DIGIT 1 DISTAL PHALANX, RIGHT	1 5%	1 5%
DIGIT 2 PROXIMAL PHALANX, RIGHT	7 33%	7 32%
DIGIT 2 DISTAL PHALANX, RIGHT	1 5%	0
DIGIT 3 PROXIMAL PHALANX, RIGHT	0	1 5%
DIGIT 3 DISTAL PHALANX, RIGHT	1 5%	0
DIGIT 4 PROXIMAL PHALANX, RIGHT	1 5%	1 5%
DIGIT 4 DISTAL PHALANX, RIGHT	1 5%	0
DIGIT 5 PROXIMAL PHALANX, RIGHT	18 86%	14 64%
DIGIT 5 DISTAL PHALANX, RIGHT	3 14%	6 27%
LEFT HIND LIMB		

NON-OSSIFIED		
TALUS LEFT	20 95%	22 100%
METATARSALIA 1, LEFT	1 5%	1 5%
TOE 1 PROXIMAL PHALANX, LEFT	0	1 5%
TOE 2 PROXIMAL PHALANX, LEFT	3 14%	3 14%
TOE 2 DISTAL PHALANX, LEFT	0	1 5%
TOE 3 PROXIMAL PHALANX, LEFT	2 10%	2 9%
TOE 3 DISTAL PHALANX, LEFT	0	1 5%
TOE 4 PROXIMAL PHALANX, LEFT	2 10%	2 9%
TOE 4 DISTAL PHALANX, LEFT	0	1 5%
TOE 5 PROXIMAL PHALANX, LEFT	17 81%	18 82%
TOE 5 DISTAL PHALANX, LEFT	0	1 5%
RIGHT HIND LIMB		

NON-OSSIFIED		
TALUS RIGHT	20 95%	22 100%
METATARSALIA 1, RIGHT	1 5%	1 5%
TOE 1 PROXIMAL PHALANX, RIGHT	0	1 5%
TOE 2 PROXIMAL PHALANX, RIGHT	3 14%	3 14%
TOE 2 DISTAL PHALANX, RIGHT	0	1 5%
TOE 3 PROXIMAL PHALANX, RIGHT	2 10%	2 9%
TOE 3 DISTAL PHALANX, RIGHT	0	1 5%
TOE 4 PROXIMAL PHALANX, RIGHT	2 10%	2 9%
TOE 4 DISTAL PHALANX, RIGHT	0	1 5%
TOE 5 PROXIMAL PHALANX, RIGHT	16 76%	18 82%
TOE 5 DISTAL PHALANX, RIGHT	0	1 5%

#/# : Fisher's Exact Test significant at level 5% (#) or 1% (##)

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

REP-SFS - 1
22-JUN-06

**SKELETAL EXAMINATIONS SUMMARY
STAGE OF DEVELOPMENT AND COMMON VARIANTS
ADDITIONAL GROUPS - ON A FETUS BASIS**

	GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
NUMBER OF FETUSES EXAMINED	126	134
ABNORMAL FINDING(S) (SHOWN ON PREVIOUS PAGE(S))	16 13%	12 9%
CRANIUM		

INCOMPLETELY OSSIFIED		
OS OCCIPITALE	1 1%	0
OS PARIETALE, BILATERAL	5 4%	1 1%
OS INTERPARIETALE	8 6%	5 4%
OS PARIETALE, RIGHT	1 1%	0
ZYGOMATIC PROCESS OF MAXILLA, LEFT	1 1%	0
JUGAL, LEFT	1 1%	0
JUGAL, RIGHT	2 2%	3 2%
ZYGOMATIC PROCESS OF SQUAMOSAL, LEFT	0	1 1%
ZYGOMATIC PROCESS OF SQUAMOSAL, RIGHT	0	1 1%
CERVICAL VERTEBRAE		

NON-OSSIFIED		
CERVICAL VERTEBRAL BODY 1	6 5%	7 5%
CERVICAL VERTEBRAL BODY 2	6 5%	10 7%
CERVICAL VERTEBRAL BODY 3	3 2%	9 7%
CERVICAL VERTEBRAL BODY 4	2 2%	3 2%
CERVICAL VERTEBRAL BODY 5	3 2%	3 2%
CERVICAL VERTEBRAL BODY 6	1 1%	3 2%
STERNUM		

INCOMPLETELY OSSIFIED		
STERNEBRA 5	1 1%	1 1%
STERNEBRA 6	1 1%	1 1%
NON-OSSIFIED		
STERNEBRA 5	1 1%	1 1%
STERNEBRA 6	1 1%	0
RIB(S), LEFT		

SUPERNUMERARY, ONE		
RIB(S), LEFT	1 1%	2 1%
SUPERNUMERARY, ONE RUDIMENTARY		
RIB(S), LEFT	41 33%	39 29%
RIB(S), RIGHT		

SUPERNUMERARY, ONE		
RIB(S), RIGHT	1 1%	0
SUPERNUMERARY, ONE RUDIMENTARY		
RIB(S), RIGHT	25 20%	35 26%
LEFT FORELIMB		

NON-OSSIFIED		
DIGIT 1 DISTAL PHALANX, LEFT	1 1%	1 1%
DIGIT 2 PROXIMAL PHALANX, LEFT	11 9%	10 7%
DIGIT 2 DISTAL PHALANX, LEFT	1 1%	0
DIGIT 3 PROXIMAL PHALANX, LEFT	1 1%	1 1%
DIGIT 3 DISTAL PHALANX, LEFT	1 1%	0
DIGIT 4 PROXIMAL PHALANX, LEFT	1 1%	1 1%
DIGIT 4 DISTAL PHALANX, LEFT	1 1%	0
DIGIT 5 PROXIMAL PHALANX, LEFT	44 35%	32 24% #
DIGIT 5 DISTAL PHALANX, LEFT	5 4%	5 4%

#/# : Fisher's Exact Test significant at level 5% (#) or 1% (##)

100

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

REP-SFS - 2
22-JUN-06

**SKELETAL EXAMINATIONS SUMMARY
STAGE OF DEVELOPMENT AND COMMON VARIANTS
ADDITIONAL GROUPS - ON A FETUS BASIS**

	GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
NUMBER OF FETUSES EXAMINED	126	134
RIGHT FORELIMB		

NON-OSSIFIED		
DIGIT 1 DISTAL PHALANX, RIGHT	1 1%	1 1%
DIGIT 2 PROXIMAL PHALANX, RIGHT	11 9%	10 7%
DIGIT 2 DISTAL PHALANX, RIGHT	1 1%	0
DIGIT 3 PROXIMAL PHALANX, RIGHT	0	1 1%
DIGIT 3 DISTAL PHALANX, RIGHT	1 1%	0
DIGIT 4 PROXIMAL PHALANX, RIGHT	1 1%	1 1%
DIGIT 4 DISTAL PHALANX, RIGHT	1 1%	0
DIGIT 5 PROXIMAL PHALANX, RIGHT	44 35%	32 24% #
DIGIT 5 DISTAL PHALANX, RIGHT	5 4%	6 4%
LEFT HIND LIMB		

NON-OSSIFIED		
TALUS LEFT	86 68%	98 73%
METATARSALIA 1, LEFT	1 1%	1 1%
TOE 1 PROXIMAL PHALANX, LEFT	0	1 1%
TOE 2 PROXIMAL PHALANX, LEFT	4 3%	5 4%
TOE 2 DISTAL PHALANX, LEFT	0	1 1%
TOE 3 PROXIMAL PHALANX, LEFT	2 2%	3 2%
TOE 3 DISTAL PHALANX, LEFT	0	1 1%
TOE 4 PROXIMAL PHALANX, LEFT	2 2%	3 2%
TOE 4 DISTAL PHALANX, LEFT	0	1 1%
TOE 5 PROXIMAL PHALANX, LEFT	43 34%	48 36%
TOE 5 DISTAL PHALANX, LEFT	0	1 1%
RIGHT HIND LIMB		

NON-OSSIFIED		
TALUS RIGHT	83 66%	100 75%
METATARSALIA 1, RIGHT	1 1%	1 1%
TOE 1 PROXIMAL PHALANX, RIGHT	0	1 1%
TOE 2 PROXIMAL PHALANX, RIGHT	4 3%	5 4%
TOE 2 DISTAL PHALANX, RIGHT	0	1 1%
TOE 3 PROXIMAL PHALANX, RIGHT	2 2%	3 2%
TOE 3 DISTAL PHALANX, RIGHT	0	1 1%
TOE 4 PROXIMAL PHALANX, RIGHT	2 2%	3 2%
TOE 4 DISTAL PHALANX, RIGHT	0	1 1%
TOE 5 PROXIMAL PHALANX, RIGHT	40 32%	46 34%
TOE 5 DISTAL PHALANX, RIGHT	0	1 1%

#/# : Fisher's Exact Test significant at level 5% (#) or 1% (##)

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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

REP-SCS - 1
22-JUN-06

**CARTILAGE EXAMINATIONS SUMMARY
COMMON VARIANTS
ADDITIONAL GROUPS - ON A LITTER BASIS**

	GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
NUMBER OF LITTERS EXAMINED	21	22
ABNORMAL FINDING(S) (SHOWN ON PREVIOUS PAGE(S))	2 10%	3 14%
CARTILAGINOUS CERVICAL VERTEBRAE		
LONG		
VENTRAL PLATE, LEFT	0	1 5%
CRANIAL SHIFT TO CERVICAL VERTEBRA 5		
VENTRAL PLATE, LEFT	0	1 5%
VENTRAL PLATE, RIGHT	1 5%	0
CAUDAL SHIFT TO CERVICAL VERTEBRA 7		
VENTRAL PLATE, RIGHT	0	1 5%
CARTILAGINOUS STERNUM		
BRANCHED		
XIPHOID CARTILAGE	21 100%	17 77% #
WITH SMALL HOLE		
XIPHOID CARTILAGE	9 43%	11 50%
COSTAL CARTILAGES		
LONG		
COSTAL CARTILAGE, 11 LEFT	2 10%	4 18%
COSTAL CARTILAGE, 11 RIGHT	3 14%	0
INTERRUPTED		
COSTAL CARTILAGE, 10 LEFT	2 10%	2 9%
COSTAL CARTILAGE, 11 LEFT	11 52%	16 73%
COSTAL CARTILAGE, 10 RIGHT	2 10%	3 14%
COSTAL CARTILAGE, 11 RIGHT	13 62%	14 64%
COSTAL CARTILAGE(S), LEFT		
SUPERNUMERARY, ONE		
COSTAL CARTILAGE(S), LEFT	1 5%	1 5%
SUPERNUMERARY, ONE RUDIMENTARY		
COSTAL CARTILAGE(S), LEFT	0	1 5%
COSTAL CARTILAGE(S), RIGHT		
SUPERNUMERARY, ONE		
COSTAL CARTILAGE(S), RIGHT	1 5%	0
SUPERNUMERARY, ONE RUDIMENTARY		
COSTAL CARTILAGE(S), RIGHT	1 5%	0

#/# : Fisher's Exact Test significant at level 5% (#) or 1% (##)

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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

REP-SCS - 1
22-JUN-06

**CARTILAGE EXAMINATIONS SUMMARY
COMMON VARIANTS
ADDITIONAL GROUPS - ON A FETUS BASIS**

	GROUP 1 0 PPM	GROUP 4 11000/13000 PPM
NUMBER OF FETUSES EXAMINED	126	134
ABNORMAL FINDING(S) (SHOWN ON PREVIOUS PAGE(S))	2 2%	3 2%
CARTILAGINOUS CERVICAL VERTEBRAE		
LONG		
VENTRAL PLATE, LEFT	0	1 1%
CRANIAL SHIFT TO CERVICAL VERTEBRA 5		
VENTRAL PLATE, LEFT	0	1 1%
VENTRAL PLATE, RIGHT	1 1%	0
CAUDAL SHIFT TO CERVICAL VERTEBRA 7		
VENTRAL PLATE, RIGHT	0	1 1%
CARTILAGINOUS STERNUM		
BRANCHED		
XIPHOID CARTILAGE	50 40%	40 30%
WITH SMALL HOLE		
XIPHOID CARTILAGE	15 12%	17 13%
COSTAL CARTILAGES		
LONG		
COSTAL CARTILAGE, 11 LEFT	4 3%	4 3%
COSTAL CARTILAGE, 11 RIGHT	4 3%	0
INTERRUPTED		
COSTAL CARTILAGE, 10 LEFT	4 3%	2 1%
COSTAL CARTILAGE, 11 LEFT	16 13%	27 20%
COSTAL CARTILAGE, 10 RIGHT	3 2%	3 2%
COSTAL CARTILAGE, 11 RIGHT	17 13%	24 18%
COSTAL CARTILAGE(S), LEFT		
SUPERNUMERARY, ONE		
COSTAL CARTILAGE(S), LEFT	1 1%	1 1%
SUPERNUMERARY, ONE RUDIMENTARY		
COSTAL CARTILAGE(S), LEFT	0	1 1%
COSTAL CARTILAGE(S), RIGHT		
SUPERNUMERARY, ONE		
COSTAL CARTILAGE(S), RIGHT	1 1%	0
SUPERNUMERARY, ONE RUDIMENTARY		
COSTAL CARTILAGE(S), RIGHT	1 1%	0

: Fisher's Exact Test significant at level 5% (#) or 1% (##)

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RCC STUDY NUMBER A29992
Ultrazine FG-R

10 INDIVIDUAL DATA

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FC-IND - 1
11-MAY-06

FOOD CONSUMPTION (G/ANIMAL/DAY) OF DAMS
POST COITUM

GROUP 1 (0 PPM)

DAYS ANIMAL	0-3	3-5	5-9	9-12	12-15	15-18	18-21
1	17.0	21.6	19.6	23.6	24.9	24.9	28.3
2	16.3	21.2	18.0	19.9	22.1	21.1	17.8
3	16.4	19.2	17.4	18.9	22.2	20.7	23.4
4	15.4	21.0	20.1	23.2	23.9	25.0	25.1
5	17.9	24.9	22.9	27.0	29.3	26.8	28.1
6	17.9	22.6	19.7	22.9	23.8	21.1	21.7
7	19.6	25.1	22.0	27.0	28.7	25.5	26.5
8	17.0	22.8	19.4	25.2	24.7	23.4	24.4
9	15.2	22.3	19.6	21.6	27.7	23.2	25.6
10	17.0	21.8	19.7	23.0	26.5	24.9	24.5
11	18.3	23.5	21.6	23.8	29.6	26.5	27.7
12	17.7	24.8	22.2	26.5	29.6	26.0	25.0
13	14.8	20.2	18.9	20.2	27.4	24.0	22.9
14	15.7	22.7	20.4	23.7	26.4	25.3	25.2
15	18.1	23.9	20.9	24.1	28.3	25.6	18.3
16	16.0	20.3	17.6	21.7	24.2	21.4	22.3
17	18.2	23.1	22.4	26.3	30.9	28.4	24.6
18	18.7	22.8	20.5	23.6	25.8	26.7	25.5
19	18.1	23.1	21.6	24.8	29.9	26.7	20.5
20	17.9	23.0	21.8	25.1	26.4	24.6	24.3
21	19.6	24.8	21.9	24.3	26.5	26.3	26.1
22	19.1	27.2	22.8	27.0	29.7	27.9	28.8

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FC-IND - 2
11-MAY-06

**FOOD CONSUMPTION (G/ANIMAL/DAY) OF DAMS
POST COITUM**

GROUP 2 (1100/1300 PPM)

DAYS ANIMAL	0-3	3-5	5-9	9-12	12-15	15-18	18-21
23	17.4	21.4	20.7	23.8	25.6	25.4	21.9
24	18.0	23.2	20.2	25.1	26.3	23.3	24.6
25	17.5	22.6	21.1	24.5	27.4	25.9	26.9
26	18.0	21.5	21.4	25.6	27.2	25.9	28.4
27	16.9	23.4	21.9	27.8	31.2	27.3	30.7
28	17.1	21.1	20.6	24.8	24.3	23.3	24.6
29	18.1	22.6	20.8	25.5	27.7	25.6	30.7
30	15.2	21.2	18.6	22.0	26.1	23.6	23.5
31	17.1	21.3	19.6	21.5	25.1	23.9	22.8
32	17.4	22.0	19.2	22.5	25.6	25.4	22.9
33	16.3	22.8	20.4	22.7	29.4	27.6	25.6
34	17.6	22.9	21.0	23.0	27.0	25.8	25.6
35	18.7	23.5	22.2	22.6	28.1	25.2	25.1
36	14.0	22.7	20.7	25.2	30.6	27.8	26.3
37	16.6	24.4	21.2	23.7	27.2	26.2	26.7
38	15.4	23.1	20.0	23.0	27.8	24.5	24.6
39	17.0	23.8	21.5	24.0	25.8	22.9	16.8
40	18.1	23.8	23.5	26.6	27.8	27.9	26.8
41	15.8	21.5	18.6	24.8	27.6	27.3	28.0
42	17.6	23.5	20.4	24.8	29.6	25.3	24.6
43	18.8	26.3	24.8	24.5	27.1	25.2	23.1
44	16.8	22.0	20.0	22.9	28.0	25.2	25.0

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FC-IND - 3
11-MAY-06

FOOD CONSUMPTION (G/ANIMAL/DAY) OF DAMS
POST COITUM

GROUP 3 (3300/3900 PPM)

DAYS ANIMAL	0-3	3-5	5-9	9-12	12-15	15-18	18-21
45	16.4	22.6	20.1	23.8	26.9	24.7	25.4
46	19.3	27.0	24.6	26.6	29.7	27.1	28.9
47	15.8	21.6	20.6	23.5	25.9	22.9	24.4
48	16.3	23.3	19.6	21.9	26.0	23.8	20.8
49	15.0	21.7	20.1	24.4	28.0	27.9	27.0
50	16.8	22.3	20.3	24.2	26.7	24.6	23.4
51	16.7	23.0	22.0	25.4	28.1	24.9	23.4
52	13.2	22.6	20.5	24.8	25.9	25.3	24.4
53	13.1	19.4	17.3	21.9	23.8	21.5	21.5
54	20.0	25.1	23.8	29.7	31.3	29.2	25.6
55	17.3	20.8	18.4	24.1	26.5	25.1	23.4
56	20.2	24.8	22.1	26.8	31.4	30.2	29.7
57	18.2	23.9	22.3	28.6	33.3	31.3	28.9
58	21.4	27.4	24.9	28.2	30.4	28.2	29.0
59	16.7	22.0	19.5	21.8	26.9	26.2	27.3
60	19.0	26.0	22.7	24.7	29.7	28.0	29.6
61	19.8	28.6	23.9	26.4	31.3	27.9	28.1
62	16.7	22.2	20.9	22.5	27.9	24.8	26.7
63	17.1	22.2	19.6	22.9	27.5	24.0	26.3
64	20.2	25.6	21.7	24.0	26.6	20.6	24.0
65	20.7	27.8	24.0	28.2	31.0	28.5	30.6
66	16.8	22.1	20.5	23.8	27.0	24.2	24.9

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FC-IND - 4
11-MAY-06

**FOOD CONSUMPTION (G/ANIMAL/DAY) OF DAMS
POST COITUM**

GROUP 4 (11000/13000 PPM)

DAYS ANIMAL	0-3	3-5	5-9	9-12	12-15	15-18	18-21
67	17.0	22.5	22.2	23.7	26.0	25.5	27.1
68 (A)	15.9	23.1	20.7	21.7	17.1	15.4	17.5
69	14.7	21.4	18.7	22.1	24.5	22.1	22.6
70	17.7	22.2	19.6	22.1	24.1	22.3	21.8
71	19.7	23.7	24.0	27.0	32.1	27.4	28.3
72	16.6	21.7	21.9	23.8	25.1	23.1	23.0
73	15.6	22.5	19.9	22.8	23.7	22.9	21.9
74	16.6	24.5	21.2	25.1	28.7	24.3	24.4
75	15.8	22.4	21.6	23.7	26.1	22.4	21.7
76	17.7	22.8	19.8	23.9	25.3	25.3	24.6
77	14.8	21.8	20.3	23.7	25.8	23.6	22.9
78	15.9	19.6	20.0	24.7	25.6	24.4	24.4
79	18.8	23.5	21.3	26.1	26.4	24.6	21.1
80	17.5	21.5	19.7	24.2	27.5	22.9	24.4
81	17.7	22.4	20.0	25.8	28.0	27.5	25.4
82	19.0	22.8	23.0	27.3	28.1	28.4	26.9
83	20.1	22.7	23.2	27.1	28.5	28.3	27.4
84	18.7	24.5	23.5	28.6	30.8	31.3	29.5
85	17.7	22.4	20.7	23.8	28.2	25.4	26.7
86	18.6	25.4	23.3	24.8	28.9	26.7	27.0
87	20.8	26.5	24.6	26.4	28.5	26.4	25.8
88	20.1	22.1	20.6	23.7	26.0	25.1	26.1

(A) Non-pregnant

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FTAI-IND - 1
11-MAY-06

TEST ITEM INTAKE OF DAMS
(MG SUBSTANCE/KG BODY WEIGHT/DAY)
POST COITUM

GROUP 1 (0 PPM)

DAYS ANIMAL	5-9	9-12	12-15	15-18	18-21
1	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FTAI-IND - 2
11-MAY-06

TEST ITEM INTAKE OF DAMS
(MG SUBSTANCE/KG BODY WEIGHT/DAY)
POST COITUM

GROUP 2 (1100/1300 PPM)

DAYS ANIMAL	5-9	9-12	12-15	15-18	18-21
23	90.5	96.8	98.2	105.7	79.8
24	94.8	109.9	106.9	103.7	96.7
25	96.2	102.4	110.0	109.5	104.5
26	102.3	111.3	109.5	112.4	108.7
27	96.5	112.2	117.8	109.7	109.6
28	96.0	104.7	98.0	103.7	98.5
29	94.7	107.9	107.8	106.4	114.4
30	88.2	95.9	107.9	104.5	94.7
31	88.2	89.5	99.7	101.3	86.2
32	88.3	96.8	103.2	109.1	85.9
33	90.2	94.3	111.7	109.9	90.6
34	94.6	96.5	105.4	108.1	95.4
35	92.4	89.4	104.0	102.2	92.6
36	96.6	107.0	123.2	119.0	101.6
37	97.1	100.8	108.1	110.9	101.1
38	90.2	96.7	108.1	101.5	90.2
39	93.2	96.6	100.0	92.6	60.5
40	106.8	111.4	108.1	114.3	97.1
41	85.1	104.0	109.0	114.9	103.6
42	96.7	106.8	121.3	114.1	100.4
43	103.5	95.1	99.2	101.1	82.5
44	95.7	100.7	115.1	112.2	103.1

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

FTAI-IND - 3
11-MAY-06

TEST ITEM INTAKE OF DAMS
(MG SUBSTANCE/KG BODY WEIGHT/DAY)
POST COITUM

GROUP 3 (3300/3900 PPM)

DAYS ANIMAL	5-9	9-12	12-15	15-18	18-21
45	268.8	295.3	312.4	313.1	285.0
46	305.1	304.5	326.2	317.8	310.1
47	281.3	299.4	314.8	306.3	293.5
48	267.6	275.9	304.5	298.5	232.0
49	277.6	307.5	330.1	344.6	295.4
50	292.4	319.9	330.4	322.0	277.9
51	296.4	318.1	328.9	316.0	268.6
52	288.8	315.6	310.9	323.4	276.4
53	271.1	311.0	322.8	318.2	290.0
54	308.3	350.3	353.2	344.8	262.0
55	251.2	300.3	305.4	318.4	258.9
56	290.7	321.5	348.4	359.4	307.3
57	297.6	339.4	367.4	359.3	288.4
58	321.6	335.0	341.2	349.7	309.6
59	270.3	280.6	327.2	352.7	321.6
60	300.6	303.0	344.5	360.8	345.2
61	309.9	312.6	351.1	337.1	305.3
62	286.6	284.5	332.6	325.0	303.1
63	286.8	302.4	339.4	328.0	314.7
64	289.9	299.1	308.7	279.5	285.6
65	302.7	325.6	331.4	334.7	319.2
66	270.9	288.3	306.6	304.9	277.3

RCC STUDY NUMBER A29992
ULTRAZINE PG-R

FTAI-IND - 4
11-MAY-06

TEST ITEM INTAKE OF DAMS
(MG SUBSTANCE/KG BODY WEIGHT/DAY)
POST COITUM

GROUP 4 (11000/13000 PPM)

DAYS ANIMAL	5-9	9-12	12-15	15-18	18-21
67	955.9	947.1	980.8	1059.4	1018.7
68 A	926.6	926.8	755.6	787.8	893.6
69	924.9	981.9	1019.8	987.6	924.0
70	1027.6	974.9	1019.7	1001.3	871.6
71	1028.5	1044.0	1167.6	1080.1	991.3
72	997.9	1009.0	1004.5	1009.4	878.7
73	897.6	946.4	945.9	996.7	869.0
74	982.1	1101.9	1145.8	1024.2	918.4
75	998.5	1003.0	1042.4	951.5	825.3
76	906.0	1042.5	983.1	1058.3	930.1
77	960.4	1032.6	1060.5	1045.3	916.4
78	938.4	1052.1	1041.7	1090.0	974.8
79	962.1	1072.4	1028.3	1044.6	787.4
80	911.4	1025.6	1095.9	991.3	924.6
81	885.6	1057.0	1077.6	1126.7	920.9
82	959.9	1076.5	1016.0	1147.4	951.9
83	998.3	1060.7	1057.2	1143.5	967.2
84	984.3	1078.2	1077.5	1198.3	999.6
85	879.6	928.7	1039.4	1024.3	949.3
86	1039.4	1022.6	1113.4	1118.0	988.3
87	1080.2	1074.2	1086.3	1074.2	921.3
88	961.6	1017.9	1039.0	1114.5	998.6

A: Non-pregnant

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-IND - 1
11-MAY-06

**BODY WEIGHTS (GRAM) OF DAMS
POST COITUM**

GROUP 1 (0 PPM)

DAYS ANIMAL	0	1	2	3	4	5	6	7
1	206	211	216	219	225	227	231	238
2	201	204	209	212	218	220	223	229
3	204	212	214	219	227	226	230	232
4	222	219	225	230	234	239	241	249
5	218	218	222	230	234	238	243	248
6	212	218	223	228	232	238	238	242
7	222	229	230	235	239	245	246	254
8	224	230	237	240	245	248	254	259
9	202	203	207	215	216	220	231	230
10	220	226	230	239	238	239	249	249
11	230	238	245	248	250	256	265	266
12	220	223	230	236	238	246	253	253
13	198	202	211	219	221	222	230	232
14	206	212	216	221	225	228	234	234
15	214	219	230	229	235	243	242	247
16	199	202	210	209	213	219	219	225
17	209	211	220	221	227	233	235	241
18	218	223	228	234	242	244	246	251
19	213	220	226	229	234	247	246	252
20	209	214	225	221	227	232	236	242
21	212	217	219	226	227	232	232	235
22	231	236	239	243	249	253	256	261
DAYS ANIMAL	8	9	10	11	12	13	14	15
1	239	244	249	257	261	262	273	275
2	228	233	238	241	246	251	259	263
3	239	240	243	251	253	255	264	268
4	253	256	259	266	274	280	286	290
5	251	256	259	263	273	276	289	294
6	243	248	253	262	266	266	279	277
7	256	262	269	280	285	283	291	299
8	261	262	270	279	286	290	298	304
9	232	236	237	249	254	261	265	272
10	256	259	263	271	274	279	286	293
11	273	275	283	289	290	306	307	314
12	259	266	274	284	289	293	298	307
13	240	247	244	254	255	265	270	276
14	238	246	250	257	259	267	269	275
15	251	260	266	271	278	283	290	300
16	227	229	239	241	249	249	255	261
17	245	251	257	259	272	276	285	294
18	253	260	260	270	273	277	282	301
19	256	262	268	274	282	287	281	295
20	243	251	256	262	271	272	279	288
21	243	249	256	264	267	269	278	285
22	262	270	273	281	285	294	297	303

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-IND - 2
11-MAY-06

**BODY WEIGHTS (GRAM) OF DAMS
POST COITUM**

GROUP 1 (0 PPM)

DAYS ANIMAL	16	17	18	19	20	21
1	283	297	309	320	336	349
2	276	288	302	312	324	324
3	277	288	300	311	322	336
4	295	310	324	334	347	361
5	302	314	329	344	357	366
6	285	299	308	321	332	339
7	309	321	332	346	361	368
8	312	326	340	351	369	378
9	281	297	308	325	339	350
10	300	306	325	341	347	361
11	323	337	346	366	375	389
12	315	326	341	354	360	369
13	284	294	300	315	330	336
14	287	293	308	320	334	345
15	309	322	337	353	366	348
16	272	282	294	305	319	340
17	305	319	331	342	351	356
18	313	320	343	350	369	362
19	304	320	338	349	361	367
20	295	299	317	333	348	361
21	296	303	306	314	326	340
22	312	324	338	352	362	370

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-IND - 3
11-MAY-06

**BODY WEIGHTS (GRAM) OF DAMS
POST COITUM**

GROUP 2 (1100/1300 PPM)

DAYS ANIMAL	0	1	2	3	4	5	6	7
23	221	223	228	230	239	240	243	251
24	202	206	209	213	223	225	229	235
25	219	216	217	224	233	235	237	241
26	202	206	208	217	220	219	225	230
27	216	217	224	228	232	236	243	249
28	212	209	217	221	227	226	225	235
29	209	211	219	222	228	231	234	242
30	208	216	217	221	225	227	232	232
31	214	216	224	234	233	238	245	244
32	214	216	221	228	228	232	237	239
33	212	217	223	229	231	236	243	249
34	218	224	226	235	233	236	243	245
35	233	239	243	251	253	257	263	264
36	200	207	209	215	219	222	229	236
37	208	214	219	221	227	233	238	240
38	215	218	227	229	231	239	241	243
39	223	227	230	239	238	247	249	253
40	216	221	226	233	232	237	245	242
41	214	217	224	224	228	234	235	240
42	208	212	214	216	222	225	229	232
43	226	230	234	236	243	249	252	264
44	211	213	216	217	224	227	228	230
DAYS ANIMAL	8	9	10	11	12	13	14	15
23	253	259	262	270	271	274	286	288
24	236	239	248	251	255	261	271	275
25	247	252	253	263	263	271	274	282
26	236	240	246	253	256	262	274	278
27	253	258	264	272	274	288	291	297
28	246	246	255	261	260	267	273	275
29	244	248	257	260	266	273	282	284
30	240	240	242	252	255	264	266	275
31	249	253	253	265	266	275	276	287
32	241	244	255	255	261	270	273	279
33	252	256	260	265	270	285	289	301
34	251	255	256	262	269	275	282	286
35	270	271	276	279	283	294	297	304
36	237	244	249	260	263	270	273	280
37	245	246	250	259	265	274	276	285
38	250	253	259	262	272	279	282	288
39	256	261	265	273	276	282	284	300
40	251	258	259	263	271	278	283	290
41	244	245	256	262	267	269	279	283
42	238	241	247	255	257	262	268	272
43	263	265	273	283	286	292	300	304
44	236	238	245	250	254	259	268	272

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-IND - 4
11-MAY-06

**BODY WEIGHTS (GRAM) OF DAMS
POST COITUM**

GROUP 2 (1100/1300 PPM)

DAYS ANIMAL	16	17	18	19	20	21
23	302	313	330	343	358	359
24	282	292	304	315	331	337
25	291	307	312	320	334	346
26	290	299	314	324	340	353
27	311	324	336	350	365	370
28	278	292	307	314	325	337
29	299	313	327	339	349	368
30	281	293	300	315	323	340
31	298	306	316	334	343	349
32	291	303	315	334	346	348
33	314	327	339	359	367	372
34	302	311	325	336	349	362
35	310	321	328	336	352	366
36	292	304	316	329	336	351
37	297	307	319	331	344	362
38	300	314	323	341	355	359
39	304	321	336	351	361	350
40	306	317	328	347	359	372
41	294	309	325	334	351	363
42	281	289	298	307	318	321
43	315	324	337	349	364	369
44	281	292	298	303	315	326

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-IND - 5
11-MAY-06

**BODY WEIGHTS (GRAM) OF DAMS
POST COITUM**

GROUP 3 (3300/3900 PPM)

DAYS ANIMAL	0	1	2	3	4	5	6	7
45	216	221	223	227	236	237	240	247
46	230	234	239	240	253	252	263	266
47	216	218	221	223	228	235	237	242
48	213	218	220	225	233	235	235	241
49	208	210	215	223	224	231	235	239
50	196	203	208	217	214	224	227	229
51	208	218	220	228	228	234	242	245
52	202	203	212	217	222	226	230	234
53	191	193	199	203	201	205	211	211
54	211	219	222	231	233	242	242	255
55	221	224	228	233	237	241	243	242
56	221	226	231	234	240	245	247	250
57	216	221	223	231	235	241	242	247
58	218	229	231	236	241	245	246	255
59	218	220	222	225	230	233	237	238
60	217	222	228	231	237	239	247	249
61	207	225	227	230	240	242	249	255
62	218	219	222	227	231	233	231	241
63	213	205	207	208	215	217	222	226
64	219	227	229	229	237	238	242	247
65	228	233	240	242	250	254	256	261
66	222	225	228	232	238	241	247	250
DAYS ANIMAL	8	9	10	11	12	13	14	15
45	249	254	264	266	274	275	284	290
46	271	273	282	288	290	291	300	313
47	244	248	257	259	264	269	272	276
48	246	248	255	262	261	269	282	289
49	237	249	257	262	265	278	280	291
50	231	238	246	249	255	264	267	276
51	242	252	261	263	269	277	281	289
52	240	248	255	259	267	273	275	283
53	213	221	227	232	239	245	243	249
54	256	259	270	280	290	289	292	305
55	249	253	259	265	273	277	286	291
56	255	257	264	275	277	285	297	306
57	256	261	268	278	284	288	299	307
58	260	258	265	278	281	289	294	300
59	243	248	253	256	257	267	272	279
60	255	260	264	269	273	281	285	287
61	257	266	275	279	283	290	294	300
62	241	250	254	261	264	273	277	286
63	230	236	241	249	254	261	267	272
64	251	252	256	265	269	277	284	289
65	267	274	280	286	295	299	309	315
66	254	262	267	273	276	285	291	294

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-IND - 6
11-MAY-06

**BODY WEIGHTS (GRAM) OF DAMS
POST COITUM**

GROUP 3 (3300/3900 PPM)

DAYS ANIMAL	16	17	18	19	20	21
45	301	308	325	332	347	358
46	319	333	341	349	363	379
47	285	292	303	311	325	332
48	299	310	328	331	350	350
49	303	316	330	346	357	372
50	285	298	303	317	328	343
51	299	307	317	329	340	344
52	295	305	314	329	345	345
53	252	264	268	279	290	299
54	316	331	348	364	381	380
55	300	308	318	335	352	352
56	316	328	342	361	377	395
57	322	340	359	377	391	407
58	304	315	331	349	365	364
59	285	290	305	319	331	341
60	293	303	311	322	334	341
61	315	323	332	345	359	366
62	293	298	314	329	343	354
63	278	285	301	312	325	339
64	281	288	304	318	328	329
65	326	332	343	361	374	391
66	302	309	326	335	350	357

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-IND - 7
11-MAY-06

**BODY WEIGHTS (GRAM) OF DAMS
POST COITUM**

GROUP 4 (11000/13000 PPM)

DAYS ANIMAL	0	1	2	3	4	5	6	7
67	233	236	239	240	247	246	252	256
68 (A)	218	219	224	227	236	237	241	246
69	197	196	199	203	214	215	221	222
70	202	208	211	216	226	224	227	210
71	200	226	232	240	243	244	251	257
72	208	209	226	227	226	230	238	241
73	215	222	226	233	235	241	243	243
74	203	210	215	219	226	223	231	237
75	205	209	213	218	224	229	233	238
76	208	215	222	229	234	235	239	240
77	204	208	211	217	220	224	228	232
78	211	212	218	227	223	229	238	234
79	213	215	221	225	229	240	239	244
80	207	212	219	222	226	233	232	238
81	217	217	226	230	232	240	242	249
82	224	228	239	241	246	251	254	263
83	226	231	238	241	245	253	252	256
84	232	235	243	245	252	254	260	262
85	235	238	242	246	249	255	254	258
86	214	220	225	230	238	240	241	247
87	218	225	228	235	239	244	247	251
88	207	214	219	224	228	230	231	235
DAYS ANIMAL	8	9	10	11	12	13	14	15
67	260	260	266	275	278	284	292	295
68 (A)	249	252	256	257	257	252	249	251
69	229	230	239	247	251	255	264	269
70	232	232	240	249	251	254	260	265
71	260	267	270	285	284	295	302	309
72	241	249	254	260	263	272	275	283
73	251	251	262	265	265	276	275	282
74	242	242	249	251	262	269	276	283
75	241	249	254	260	266	274	275	287
76	242	250	256	253	272	277	284	290
77	236	242	247	252	258	264	267	271
78	243	244	249	258	264	268	270	274
79	246	251	254	268	272	276	282	293
80	242	245	249	259	264	269	276	283
81	252	253	261	268	275	272	286	291
82	263	271	275	279	289	294	304	309
83	261	265	271	281	287	287	297	303
84	269	274	284	292	300	305	314	318
85	263	265	271	282	284	291	299	305
86	252	252	262	267	271	280	285	293
87	257	260	265	270	278	285	288	299
88	237	242	249	256	263	269	275	278

(A) Non-pregnant

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

BW-IND - 8
11-MAY-06

**BODY WEIGHTS (GRAM) OF DAMS
POST COITUM**

GROUP 4 (11000/13000 PPM)

DAYS ANIMAL	16	17	18	19	20	21
67	308	313	326	332	346	358
68 (A)	256	254	251	252	255	256
69	281	291	301	307	318	327
70	278	290	300	308	325	333
71	320	329	345	354	371	382
72	293	298	309	324	340	345
73	291	299	307	320	327	342
74	293	308	317	331	345	352
75	292	306	316	327	342	344
76	302	311	317	334	344	360
77	285	293	300	308	325	332
78	287	291	302	309	325	333
79	300	307	319	333	349	346
80	291	300	311	328	343	351
81	303	318	330	347	358	361
82	322	322	337	348	368	380
83	314	322	337	352	369	378
84	326	339	353	368	384	393
85	310	322	334	352	366	373
86	298	311	325	338	355	356
87	304	319	331	349	364	365
88	281	293	310	327	340	336

(A) Non-pregnant

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-CBWG - 1
11-MAY-06

**CORRECTED BODY WEIGHT GAIN OF DAMS
GROUP 1 (0 PPM)**

FEMALE	WEIGHT ON DAY 6 P.C. (G)	WEIGHT ON DAY OF SECTION (G)	WEIGHT OF UTERUS (G)	CORRECTED WEIGHT GAIN GRAM<1>	PERCENT<2>
1	231.4	348.8	80.8	35.5	15.8
2	222.9	323.8	91.5	9.5	4.3
3	229.7	336.0	76.6	29.7	12.9
4	240.8	361.3	86.4	34.1	14.2
5	243.0	366.2	91.5	31.8	13.1
6	237.9	339.3	78.9	22.5	9.4
7	246.5	368.3	90.8	31.1	12.6
8	253.7	378.2	98.2	26.3	10.4
9	230.5	350.5	94.4	25.6	11.1
10	249.3	361.1	85.8	26.0	10.4
11	264.5	388.8	96.8	27.5	10.4
12	253.0	369.5	83.4	33.1	13.1
13	230.5	335.9	81.6	23.9	10.4
14	234.2	345.0	77.9	32.8	14.0
15	241.9	347.6	94.6	11.1	4.6
16	218.9	339.7	87.1	33.6	15.4
17	235.5	355.7	97.3	22.9	9.7
18	246.1	361.8	104.6	11.1	4.5
19	246.2	366.6	94.9	25.5	10.4
20	236.4	361.1	93.6	31.1	13.2
21	231.7	340.2	79.0	29.5	12.7
22	255.8	370.0	99.8	14.4	5.6
<hr/>					
		N	22	22	22
		MEAN	89.3	25.9	10.8
		ST.DEV.	8.0	7.9	3.4

<1> : (Weight on Day of Section) - (Weight on Day 6 P.C.) - (Weight Uterus)
<2> : Corrected Weight Gain in Percent of Weight on Day 6 P.C.
*/** : Dunnett-Test based on pooled variance significant at level 5% (*) or 1% (**)

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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-CBWG - 2
11-MAY-06

**CORRECTED BODY WEIGHT GAIN OF DAMS
GROUP 2 (1100/1300 PPM)**

FEMALE	WEIGHT ON DAY 6 P.C. (G)	WEIGHT ON DAY OF SECTION (G)	WEIGHT OF UTERUS (G)	CORRECTED WEIGHT GAIN GRAM<1>	PERCENT<2>
23	243.2	359.2	105.3	10.7	4.4
24	229.3	337.5	87.3	20.9	9.1
25	237.4	345.5	80.1	28.0	11.8
26	224.8	353.2	89.9	38.5	17.1
27	242.5	370.2	82.5	45.2	18.6
28	224.6	336.8	81.9	30.4	13.5
29	234.1	367.5	85.7	47.7	20.4
30	231.6	340.1	77.4	31.2	13.5
31	245.2	348.8	87.1	16.4	6.7
32	237.3	347.6	100.4	9.9	4.2
33	242.6	372.3	94.9	34.8	14.3
34	243.2	361.8	87.4	31.1	12.8
35	263.2	365.7	75.8	26.7	10.1
36	228.8	351.2	72.5	49.9	21.8
37	237.6	362.1	84.1	40.5	17.0
38	240.7	359.0	95.1	23.2	9.6
39	248.9	349.9	107.5	-6.5	-2.6
40	245.4	371.8	103.9	22.5	9.2
41	235.1	362.6	85.3	42.2	18.0
42	228.7	321.1	65.3	27.1	11.8
43	252.1	369.3	95.2	22.1	8.7
44	227.9	325.6	62.7	35.0	15.4
<hr/>					
		N	22	22	22
		MEAN	86.7	28.5	12.1
		ST.DEV.	12.0	13.5	5.8

<1> : (Weight on Day of Section) - (Weight on Day 6 P.C.) - (Weight Uterus)
<2> : Corrected Weight Gain in Percent of Weight on Day 6 P.C.
*/** : Dunnett-Test based on pooled variance significant at level 5% (*) or 1% (**)

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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAB-CBWG - 3
11-MAY-06

**CORRECTED BODY WEIGHT GAIN OF DAMS
GROUP 3 (3300/3900 PPM)**

FEMALE	WEIGHT ON DAY 6 P.C. (G)	WEIGHT ON DAY OF SECTION (G)	WEIGHT OF UTERUS (G)	CORRECTED WEIGHT GAIN GRAM<1>	PERCENT<2>
45	239.8	358.0	96.2	22.0	9.2
46	262.7	378.6	86.4	29.5	11.2
47	236.7	332.4	66.1	29.5	12.5
48	235.1	350.4	105.4	9.8	4.2
49	235.0	372.0	104.0	32.9	14.0
50	226.5	343.2	100.8	15.9	7.0
51	241.6	343.8	94.2	8.0	3.3
52	230.0	344.7	95.1	19.6	8.5
53	211.3	299.2	59.9	28.0	13.3
54	241.9	380.1	106.4	31.8	13.2
55	243.3	351.6	96.7	11.7	4.8
56	246.6	394.6	111.5	36.5	14.8
57	241.5	406.9	116.9	48.5	20.1
58	246.3	363.8	90.5	27.1	11.0
59	237.2	340.7	68.1	35.3	14.9
60	247.3	341.3	54.5	39.5	16.0
61	248.8	365.6	85.2	31.6	12.7
62	231.5	354.0	90.1	32.4	14.0
63	221.8	339.4	75.1	42.5	19.2
64	242.2	328.7	69.7	16.9	7.0
65	256.2	390.6	92.5	41.9	16.4
66	247.4	356.9	81.3	28.2	11.4
<hr/>					
		N	22	22	22
		MEAN	88.5	28.1	11.7
		ST.DEV.	17.0	11.0	4.6

<1> : (Weight on Day of Section) - (Weight on Day 6 P.C.) - (Weight Uterus)
<2> : Corrected Weight Gain in Percent of Weight on Day 6 P.C.
*/** : Dunnett-Test based on pooled variance significant at level 5% (*) or 1% (**)

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RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-CBWG - 4
11-MAY-06

**CORRECTED BODY WEIGHT GAIN OF DAMS
GROUP 4 (11000/13000 PPM)**

FEMALE	WEIGHT ON DAY 6 P.C. (G)	WEIGHT ON DAY OF SECTION (G)	WEIGHT OF UTERUS (G)	CORRECTED WEIGHT GAIN GRAM<1>	PERCENT<2>
67	251.8	358.1	76.1	30.3	12.0
68 <NP>	241.0	255.6			
69	220.9	326.7	77.5	28.4	12.8
70	227.5	333.5	97.1	8.9	3.9
71	250.8	382.3	99.3	32.2	12.9
72	237.8	345.2	91.6	15.8	6.7
73	242.7	342.3	78.0	21.6	8.9
74	231.0	352.3	96.7	24.6	10.6
75	233.0	344.0	96.4	14.7	6.3
76	239.4	359.5	89.5	30.6	12.8
77	227.6	332.4	74.5	30.3	13.3
78	237.6	332.9	80.4	14.9	6.3
79	239.4	346.4	94.0	13.0	5.4
80	232.2	351.1	91.8	27.1	11.7
81	241.8	361.4	96.1	23.5	9.7
82	253.9	380.5	92.4	34.2	13.5
83	252.0	378.2	96.5	29.8	11.8
84	260.0	393.3	86.1	47.3	18.2
85	253.9	373.0	95.5	23.6	9.3
86	240.9	355.9	94.4	20.7	8.6
87	247.3	365.3	108.7	9.4	3.8
88	230.8	336.3	91.8	13.7	5.9
<hr/>					
		N	21	21	21
		MEAN	90.7	23.5	9.7
		ST.DEV.	8.8	9.5	3.7

<1> : (Weight on Day of Section) - (Weight on Day 6 P.C.) - (Weight Uterus)
<2> : Corrected Weight Gain in Percent of Weight on Day 6 P.C.
*/** : Dunnett-Test based on pooled variance significant at level 5% (*) or 1% (**)
Reason for Exclusion from Evaluation :
<NP> Not pregnant

RCC STUDY NUMBER A29992
Ultrazine FG-R

INDIVIDUAL CLINICAL SIGNS OR OBSERVATIONS - POST COITUM

Group (ppm)	Female No(s).	Noted on day(s) post coitum	Clinical signs or observations
1 (0)	1 - 22	0 - 21	No clinical signs were observed
2 (1100/1300)	23 - 44	0 - 21	No clinical signs were observed
3 (3300/3900)	45	0 - 21	No clinical signs were observed
	46	0 - 12 13, 14 15 - 21	No clinical signs were observed Fore and hindlegs: hair loss Fore and hindlegs, chest wall: hair loss
	47 - 66	0 - 21	No clinical signs were observed
	67 - 88	0 - 21	No clinical signs were observed
4 (11000/13000)	67 - 88	0 - 21	No clinical signs were observed

RCC STUDY NUMBER A29992
Ultrazine FG-R

NECROPSY FINDINGS

Group (ppm)	Female No(s).	Macroscopical findings
1 (0)	1 - 22	No abnormal findings were noted
2 (1100/1300)	23 - 44	No abnormal findings were noted
3 (3300/3900)	45 - 66	No abnormal findings were noted
4 (11000/13000)	67	No abnormal findings were noted
	68	Not pregnant, no abnormal findings were noted
	69 - 88	No abnormal findings were noted

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-UT - 1
11-MAY-06

CONTENTS OF UTERUS (PLAN VIEW)
GROUP 1 (0 PPM)

CORPORA LUTEA L/R	---- FETUSES LEFT HORN ----				IMPLANTATION SITES <POS. IN UTERUS>	---- FETUSES RIGHT HORN ----			
	IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V		IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V
FEMALE 1 7/6	1	F	4.3	V	LIVE <1> LIVE	8	F	3.9	A
	2	M	5.0	A	LIVE <2> LIVE	9	M	5.3	V
	3	M	5.2	V	LIVE <3> LIVE	10	F	5.2	A
	4	F	5.1	A	LIVE <4> LIVE	11	M	4.8	V
	5	F	4.5	V	LIVE <5> E.RES				
	6	F	4.9	A	LIVE <6> LIVE	12	F	5.1	A
	7	F	4.8	V	LIVE <7>				
FEMALE 2 8/5	13	F	5.3	V	LIVE <1> LIVE	21	M	5.5	V
	14	M	5.0	A	LIVE <2> LIVE	22	F	4.8	A
	15	M	5.1	V	LIVE <3> LIVE	23	M	5.5	V
	16	M	5.1	A	LIVE <4> LIVE	24	M	5.5	A
	17	M	5.2	V	LIVE <5> LIVE	25	M	5.1	V
	18	F	4.8	A	LIVE <6>				
	19	M	5.2	V	LIVE <7>				
	20	M	5.3	A	LIVE <8>				
FEMALE 3 8/5	26	M	4.8	V	LIVE <1> LIVE	34	F	4.4	V
	27	M	5.0	A	LIVE <2> LIVE	35	F	4.5	A
	28	F	4.6	V	LIVE <3> LIVE	36	M	5.0	V
	29	M	4.7	A	LIVE <4> E.RES				
	30	F	4.3	V	LIVE <5> LIVE	37	F	4.6	A
	31	M	5.0	A	LIVE <6>				
	32	F	4.6	V	LIVE <7>				
	33	M	4.9	A	LIVE <8>				
FEMALE 4 5/10	38	M	5.6	V	LIVE <1> LIVE	42	F	5.2	V
	39	F	5.4	A	LIVE <2> LIVE	43	F	5.2	A
	40	F	5.4	V	LIVE <3> LIVE	44	F	5.2	V
	41	M	5.5	A	LIVE <4> E.RES				
					<5> LIVE	45	M	5.5	A
					<6> LIVE	46	M	5.6	V
					<7> LIVE	47	M	5.6	A
					<8> E.RES				
					<9> LIVE	48	F	4.8	V
					<10> LIVE	49	M	5.2	A
FEMALE 5 5/9	50	F	4.6	V	LIVE <1> LIVE	55	M	5.2	A
	51	M	4.8	A	LIVE <2> LIVE	56	F	4.7	V
	52	F	4.8	V	LIVE <3> LIVE	57	F	4.6	A
	53	M	4.8	A	LIVE <4> LIVE	58	M	4.8	V
	54	F	4.9	V	LIVE <5> LIVE	59	M	4.5	A
					<6> LIVE	60	F	4.5	V
					<7> LIVE	61	M	4.9	A
					<8> LIVE	62	M	4.8	V
FEMALE 6 7/8					<9> LIVE	63	M	4.7	A
	64	F	4.2	V	LIVE <1> LIVE	70	F	4.3	V
	65	M	4.7	A	LIVE <2> LIVE	71	M	4.8	A
	66	M	4.3	V	LIVE <3> LIVE	72	F	3.7	V
	67	M	4.7	A	LIVE <4> LIVE	73	M	4.8	A
	68	M	4.8	V	LIVE <5> LIVE	74	M	4.6	V
	69	F	4.6	A	LIVE <6> LIVE	75	M	4.3	A
					<7> LIVE	76	M	4.4	V
					<8> E.RES				

LIVE - LIVE FETUS E.RES - EMBRYONIC RESORPTION V - VISCERAL EXAMINATION
DEAD - DEAD FETUS F.RES - FETAL RESORPTION A - ALIZARIN RED S SKELETAL STAINING TECHN.

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-UT - 2
11-MAY-06

CONTENTS OF UTERUS (PLAN VIEW)
GROUP 1 (0 PPM)

CORPORA LUTEA L/R	---- FETUSES LEFT HORN ----				IMPLANTATION SITES		---- FETUSES RIGHT HORN ----			
	IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V	<POS. IN UTERUS>		IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V
FEMALE 7 8/5	77	M	5.2	V	LIVE	<1>	85	F	5.1	V
	78	F	5.1	A	LIVE	<2>	86	M	5.6	A
	79	M	4.9	V	LIVE	<3>	87	M	5.4	V
	80	F	4.9	A	LIVE	<4>	88	M	5.4	A
	81	F	4.7	V	LIVE	<5>	89	F	5.2	V
	82	M	5.5	A	LIVE	<6>				
	83	M	5.4	V	LIVE	<7>				
	84	F	4.8	A	LIVE	<8>				
FEMALE 8 12/6	90	M	4.6	V	LIVE	<1>	100	F	4.8	V
	91	F	4.3	A	LIVE	<2>	101	F	5.0	A
	92	F	4.6	V	LIVE	<3>	102	M	5.2	V
					E.RES	<4>	103	F	4.6	A
	93	F	5.0	A	LIVE	<5>	104	M	5.2	V
	94	F	3.6	V	LIVE	<6>				
	95	M	4.9	A	LIVE	<7>				
	96	F	4.5	V	LIVE	<8>				
	97	M	5.0	A	LIVE	<9>				
	98	M	5.1	V	LIVE	<10>				
					E.RES	<11>				
	99	M	5.2	A	LIVE	<12>				
FEMALE 9 9/6	304	F	4.9	V	LIVE	<1>	313	F	4.7	A
	305	M	5.4	A	LIVE	<2>	314	F	5.1	V
	306	M	4.8	V	LIVE	<3>	315	F	5.1	A
	307	M	5.1	A	LIVE	<4>	316	F	5.2	V
	308	F	4.8	V	LIVE	<5>	317	F	4.6	A
	309	M	5.0	A	LIVE	<6>				
	310	M	5.2	V	LIVE	<7>				
	311	F	4.9	A	LIVE	<8>				
	312	F	4.3	V	LIVE	<9>				
FEMALE 10 9/6	318	F	4.6	V	LIVE	<1>	326	F	5.1	V
	319	M	4.8	A	LIVE	<2>	327	M	4.8	A
					E.RES	<3>	328	M	4.7	V
	320	M	5.0	V	LIVE	<4>	E.RES			
	321	M	4.5	A	LIVE	<5>	329	M	4.3	A
	322	M	5.2	V	LIVE	<6>	330	M	4.9	V
	323	F	4.7	A	LIVE	<7>				
	324	M	4.6	V	LIVE	<8>				
	325	M	4.4	A	LIVE	<9>				
FEMALE 11 9/6	331	M	5.0	V	LIVE	<1>	340	F	5.0	A
	332	F	4.3	A	LIVE	<2>	341	M	5.0	V
	333	F	4.8	V	LIVE	<3>	342	M	5.2	A
	334	M	4.6	A	LIVE	<4>	343	F	4.7	V
	335	M	4.6	V	LIVE	<5>	344	M	5.0	A
	336	F	4.2	A	LIVE	<6>	345	M	4.9	V
	337	M	4.9	V	LIVE	<7>				
	338	M	5.1	A	LIVE	<8>				
	339	M	5.0	V	LIVE	<9>				

LIVE - LIVE FETUS E.RES - EMBRYONIC RESORPTION V - VISCERAL EXAMINATION
DEAD - DEAD FETUS F.RES - FETAL RESORPTION A - ALIZARIN RED S SKELETAL STAINING TECHN.

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-UT - 3
11-MAY-06

CONTENTS OF UTERUS (PLAN VIEW)
GROUP 1 (0 PPM)

CORPORA LUTEA L/R	---- FETUSES LEFT HORN ----				IMPLANTATION SITES <POS. IN UTERUS>	---- FETUSES RIGHT HORN ----			
	IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V		IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V
FEMALE 12 9/5	346	M	4.5	V	LIVE <1> LIVE	355	M	4.7	A
	347	M	4.1	A	LIVE <2> LIVE	356	F	4.4	V
	348	F	4.2	V	LIVE <3> LIVE	357	M	4.5	A
	349	F	4.0	A	LIVE <4> LIVE	358	M	4.5	V
	350	F	4.3	V	LIVE <5> LIVE	359	M	4.5	A
	351	F	4.0	A	LIVE <6>				
	352	M	4.2	V	LIVE <7>				
	353	M	4.5	A	LIVE <8>				
	354	M	4.2	V	LIVE <9>				
FEMALE 13 6/8	360	M	5.0	V	LIVE <1> LIVE	365	F	4.8	A
	361	F	4.7	A	LIVE <2> LIVE	366	F	4.5	V
	362	F	5.1	V	LIVE <3> LIVE	367	F	4.9	A
	363	M	5.4	A	LIVE <4> LIVE	368	F	4.8	V
	364	F	4.5	V	LIVE <5> LIVE	369	F	4.8	A
					<6> LIVE	370	M	4.9	V
					<7> LIVE	371	F	4.7	A
FEMALE 14 6/8					<8> E.RES				
	372	M	4.7	V	LIVE <1> E.RES				
	373	M	4.7	A	LIVE <2> LIVE	378	F	4.7	V
	374	F	4.7	V	LIVE <3> LIVE	379	M	4.9	A
	375	F	4.4	A	LIVE <4> LIVE	380	M	4.5	V
	376	M	4.6	V	LIVE <5> LIVE	381	F	4.5	A
	377	M	4.6	A	LIVE <6> LIVE	382	M	5.1	V
					<7> LIVE	383	M	4.6	A
FEMALE 15 7/8	702	F	4.8	V	LIVE <1> LIVE	708	F	4.6	V
	703	F	5.1	A	LIVE <2> LIVE	709	F	4.6	A
					F.RES <3> LIVE	710	F	4.4	V
	704	P	4.8	V	LIVE <4> LIVE	711	M	4.6	A
	705	M	4.5	A	LIVE <5> LIVE	712	M	4.5	V
	706	M	4.7	V	LIVE <6> LIVE	713	M	5.0	A
	707	M	4.5	A	LIVE <7> LIVE	714	F	4.5	V
					<8> LIVE	715	F	4.5	A
FEMALE 16 3/9									
	716	M	5.7	V	LIVE <1> LIVE	719	F	4.9	A
	717	F	5.4	A	LIVE <2> LIVE	720	M	5.8	V
	718	F	5.3	V	LIVE <3> LIVE	721	F	4.9	A
					<4> LIVE	722	F	5.0	V
					<5> LIVE	723	F	5.1	A
					<6> LIVE	724	M	5.5	V
					<7> LIVE	725	F	5.3	A
					<8> LIVE	726	M	5.4	V
FEMALE 17 9/6					<9> LIVE	727	M	5.8	A
	728	M	4.8	V	LIVE <1> LIVE	737	F	4.6	A
	729	M	4.9	A	LIVE <2> LIVE	738	M	5.0	V
	730	M	5.0	V	LIVE <3> LIVE	739	F	4.7	A
	731	M	5.1	A	LIVE <4> LIVE	740	F	4.7	V
	732	F	5.0	V	LIVE <5> LIVE	741	F	4.8	A
	733	M	4.9	A	LIVE <6> LIVE	742	F	4.8	V
	734	M	5.2	V	LIVE <7>				
	735	M	5.3	A	LIVE <8>				
	736	F	5.0	V	LIVE <9>				

LIVE - LIVE FETUS E.RES - EMBRYONIC RESORPTION V - VISCERAL EXAMINATION
DEAD - DEAD FETUS F.RES - FETAL RESORPTION A - ALIZARIN RED S SKELETAL STAINING TECHN.

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-UT - 4
11-MAY-06

CONTENTS OF UTERUS (PLAN VIEW)
GROUP 1 (0 PPM)

CORPORA LUTEA L/R	---- FETUSES LEFT HORN ----				IMPLANTATION SITES <POS. IN UTERUS>	---- FETUSES RIGHT HORN ----				
	IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V		IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V	
FEMALE 18 8/9	743	M	4.8	V	LIVE <1>	LIVE	751	F	4.8	V
	744	M	4.4	A	LIVE <2>	LIVE	752	M	4.3	A
	745	M	4.7	V	LIVE <3>	LIVE	753	M	4.5	V
	746	F	4.7	A	LIVE <4>	LIVE	754	M	4.3	A
	747	F	4.8	V	LIVE <5>	LIVE	755	F	4.3	V
	748	F	5.1	A	LIVE <6>	LIVE	756	F	4.8	A
	749	M	4.6	V	LIVE <7>	LIVE	757	M	4.9	V
	750	F	4.5	A	LIVE <8>	LIVE	758	F	4.7	A
					LIVE <9>	LIVE	759	M	4.0	V
FEMALE 19 9/6	760	M	4.5	V	LIVE <1>	LIVE	768	F	4.9	V
					E.RES <2>	LIVE	769	F	4.6	A
	761	M	5.0	A	LIVE <3>	LIVE	770	M	5.2	V
	762	M	5.2	V	LIVE <4>	LIVE	771	M	5.0	A
	763	M	4.8	A	LIVE <5>	LIVE	772	M	5.5	V
	764	M	5.1	V	LIVE <6>	LIVE	773	F	4.9	A
	765	F	4.9	A	LIVE <7>					
	766	M	5.1	V	LIVE <8>					
	767	F	4.4	A	LIVE <9>					
FEMALE 20 7/7	774	M	4.8	V	LIVE <1>	LIVE	781	M	5.1	A
	775	F	4.8	A	LIVE <2>	LIVE	782	F	5.0	V
	776	F	4.9	V	LIVE <3>	LIVE	783	M	5.0	A
	777	M	5.0	A	LIVE <4>	LIVE	784	F	4.8	V
	778	M	5.2	V	LIVE <5>	LIVE	785	M	5.0	A
	779	F	4.7	A	LIVE <6>	LIVE	786	M	5.1	V
	780	F	4.9	V	LIVE <7>	LIVE	787	F	4.6	A
FEMALE 21 6/9	953	M	4.9	V	LIVE <1>	LIVE	958	F	4.8	A
	954	M	5.0	A	LIVE <2>	E.RES				
					E.RES <3>	LIVE	959	F	4.6	V
	955	M	4.9	V	LIVE <4>	LIVE	960	M	5.2	A
	956	F	4.8	A	LIVE <5>	LIVE	961	M	4.8	V
	957	M	4.9	V	LIVE <6>	E.RES				
					<7>	LIVE	962	F	4.7	A
FEMALE 22 7/10					<8>	LIVE	963	M	4.8	V
					<9>	LIVE	964	M	4.6	A
					<10>	LIVE				
	965	M	5.3	V	LIVE <1>	LIVE	971	M	5.1	V
	966	F	4.6	A	LIVE <2>	LIVE	972	M	5.0	A
	967	M	5.1	V	LIVE <3>	LIVE	973	M	5.1	V
	968	F	4.9	A	LIVE <4>	LIVE	974	F	4.0	A
	969	F	4.6	V	LIVE <5>	LIVE	975	F	4.6	V
	970	F	4.6	A	LIVE <6>	E.RES				
					<7>	LIVE	976	M	5.3	A
					<8>	LIVE	977	F	4.6	V
					<9>	LIVE	978	M	4.9	A
					<10>	LIVE	979	M	5.1	V

LIVE - LIVE FETUS E.RES - EMBRYONIC RESORPTION V - VISCERAL EXAMINATION
DEAD - DEAD FETUS F.RES - FETAL RESORPTION A - ALIZARIN RED S SKELETAL STAINING TECHN.

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-UT - 5
11-MAY-06

CONTENTS OF UTERUS (PLAN VIEW)
GROUP 2 (1100/1300 PPM)

CORPORA LUTRA L/R	----- FETUSES LEFT HORN -----				IMPLANTATION SITES <POS. IN UTERUS>	----- FETUSES RIGHT HORN -----			
	IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V		IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V
FEMALE 23 9/7	105	M	5.2	V	LIVE <1> LIVE	114	M	4.9	A
	106	M	4.9	A	LIVE <2> LIVE	115	M	5.2	V
	107	M	5.1	V	LIVE <3> LIVE	116	F	4.4	A
	108	M	5.1	A	LIVE <4> LIVE	117	F	4.6	V
	109	M	5.3	V	LIVE <5> LIVE	118	F	4.7	A
	110	M	5.0	A	LIVE <6> LIVE	119	M	4.8	V
	111	F	4.5	V	LIVE <7> LIVE	120	F	4.7	A
	112	M	5.4	A	LIVE <8>				
	113	M	4.4	V	LIVE <9>				
FEMALE 24 7/6	121	F	4.8	V	LIVE <1> LIVE	128	F	5.0	A
	122	M	5.3	A	LIVE <2> LIVE	129	M	5.1	V
	123	M	5.4	V	LIVE <3> LIVE	130	M	5.5	A
	124	M	5.1	A	LIVE <4> LIVE	131	M	5.6	V
	125	F	5.2	V	LIVE <5> LIVE	132	F	4.8	A
	126	M	5.1	A	LIVE <6> LIVE	133	F	4.9	V
	127	F	5.0	V	LIVE <7>				
FEMALE 25 8/6	134	F	5.4	V	LIVE <1> LIVE	142	F	5.0	V
	135	F	5.2	A	LIVE <2> LIVE	143	M	5.5	A
	136	M	5.8	V	LIVE <3> E.RES				
	137	F	5.2	A	LIVE <4> LIVE	144	F	5.6	V
	138	F	5.2	V	LIVE <5> E.RES				
	139	M	5.7	A	LIVE <6>				
	140	M	5.6	V	LIVE <7>				
	141	M	5.4	A	LIVE <8>				
FEMALE 26 6/9	145	M	4.9	V	LIVE <1> LIVE	151	M	4.9	V
	146	F	4.7	A	LIVE <2> LIVE	152	M	4.7	A
	147	M	5.3	V	LIVE <3> LIVE	153	M	4.3	V
	148	M	5.0	A	LIVE <4> LIVE	154	F	4.7	A
	149	M	5.0	V	LIVE <5> LIVE	155	F	4.9	V
	150	F	4.6	A	LIVE <6> LIVE	156	F	4.8	A
					<7> LIVE	157	M	5.0	V
FEMALE 27 6/9					<8> LIVE	158	F	4.5	A
FEMALE 28 8/7	159	M	5.2	V	F.RES <1> LIVE	163	F	5.1	V
	160	F	4.8	A	LIVE <2> LIVE	164	F	4.6	A
	161	F	4.9	V	LIVE <3> LIVE	165	F	4.9	V
	162	M	5.2	A	LIVE <4> LIVE	166	M	5.2	A
					LIVE <5> LIVE	167	M	5.1	V
					<6> LIVE	168	M	5.1	A
					<7> LIVE	169	M	5.3	V
					<8> LIVE	170	F	4.9	A
FEMALE 28 8/7	171	M	4.9	V	LIVE <1> E.RES				
	172	M	5.5	A	LIVE <2> LIVE	178	F	5.1	A
					E.RES <3> LIVE	179	F	5.1	V
	173	F	5.1	V	LIVE <4> E.RES				
	174	F	4.9	A	LIVE <5> LIVE	180	F	5.2	A
	175	M	5.1	V	LIVE <6> LIVE	181	F	4.8	V
	176	F	5.2	A	LIVE <7> LIVE	182	M	5.1	A
	177	M	5.1	V	LIVE <8>				

LIVE - LIVE FETUS E.RES - EMBRYONIC RESORPTION V - VISCERAL EXAMINATION
DEAD - DEAD FETUS F.RES - FETAL RESORPTION A - ALIZARIN RED S SKELETAL STAINING TECHN.

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-UT - 6
11-MAY-06

CONTENTS OF UTERUS (PLAN VIEW)
GROUP 2 (1100/1300 PPM)

CORPORA LUTEA L/R	----- FETUSES LEFT HORN -----				IMPLANTATION SITES		----- FETUSES RIGHT HORN -----				
	IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V	<POS. IN UTERUS>		IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V	
FEMALE 29 8/6	183	M	4.8	V	LIVE	<1>	LIVE	190	M	4.7	A
	184	F	5.1	A	LIVE	<2>	LIVE	191	F	4.9	V
	185	F	4.8	V	LIVE	<3>	LIVE	192	F	4.9	A
	186	F	5.0	A	LIVE	<4>	LIVE	193	M	4.9	V
					E.RES	<5>	LIVE	194	F	4.9	A
	187	M	5.4	V	LIVE	<6>	LIVE	195	F	4.5	V
	188	M	5.1	A	LIVE	<7>					
	189	F	4.9	V	LIVE	<8>					
FEMALE 30 5/8	384	F	4.7	V	LIVE	<1>	LIVE	389	M	5.2	A
	385	M	4.8	A	LIVE	<2>	LIVE	390	M	5.2	V
	386	F	4.7	V	LIVE	<3>	LIVE	391	M	5.2	A
	387	F	4.6	A	LIVE	<4>	LIVE	392	M	5.0	V
	388	M	4.4	V	LIVE	<5>	LIVE	393	M	4.5	A
					<6>	E.RES					
					<7>	LIVE	394	F	3.3	V	
					<8>	LIVE	395	M	4.7	A	
FEMALE 31 6/8	396	M	4.9	V	LIVE	<1>	LIVE	402	M	5.0	V
	397	F	4.9	A	LIVE	<2>	LIVE	403	F	4.8	A
	398	F	4.8	V	LIVE	<3>	LIVE	404	F	4.7	V
	399	F	5.0	A	LIVE	<4>	LIVE	405	F	4.9	A
	400	F	4.6	V	LIVE	<5>	LIVE	406	M	4.9	V
	401	F	4.7	A	LIVE	<6>	LIVE	407	M	5.1	A
					<7>	LIVE	408	M	4.8	V	
FEMALE 32 7/9	409	M	5.0	V	LIVE	<1>	LIVE	416	M	5.2	A
	410	M	4.6	A	LIVE	<2>	LIVE	417	F	3.9	V
	411	F	4.3	V	LIVE	<3>	LIVE	418	M	5.0	A
	412	F	4.7	A	LIVE	<4>	LIVE	419	F	4.8	V
	413	M	4.7	V	LIVE	<5>	LIVE	420	F	4.6	A
	414	F	4.4	A	LIVE	<6>	LIVE	421	M	5.0	V
	415	F	4.3	V	LIVE	<7>	LIVE	422	F	4.6	A
					<8>	LIVE	423	M	4.4	V	
					<9>	LIVE	424	F	4.8	A	
FEMALE 33 8/8	425	F	4.7	V	LIVE	<1>	F.RES	432	M	5.0	A
	426	M	5.1	A	LIVE	<2>	LIVE	433	F	4.7	V
	427	F	5.1	V	LIVE	<3>	LIVE	434	M	5.2	A
	428	F	4.8	A	LIVE	<4>	LIVE	435	F	4.9	V
	429	F	4.9	V	LIVE	<5>	LIVE	436	F	4.3	A
	430	M	4.9	A	LIVE	<6>	LIVE	437	F	4.6	V
	431	F	4.9	V	LIVE	<7>	LIVE	438	M	5.1	A
					E.RES	<8>	LIVE				
FEMALE 34 7/7	439	M	4.8	V	LIVE	<1>	LIVE	445	M	5.1	V
	440	M	5.2	A	LIVE	<2>	LIVE	446	M	4.8	A
	441	M	5.1	V	LIVE	<3>	LIVE	447	M	4.9	V
					E.RES	<4>	LIVE	448	F	4.9	A
	442	F	4.7	A	LIVE	<5>	LIVE	449	F	4.9	V
	443	M	4.9	V	LIVE	<6>	LIVE	450	F	4.8	A
	444	M	4.9	A	LIVE	<7>	LIVE	451	M	5.0	V

LIVE - LIVE FETUS E.RES - EMBRYONIC RESORPTION V - VISCERAL EXAMINATION
DEAD - DEAD FETUS F.RES - FETAL RESORPTION A - ALIZARIN RED S SKELETAL STAINING TECHN.

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAB-UT - 7
11-MAY-06

CONTENTS OF UTERUS (PLAN VIEW)
GROUP 2 (1100/1300 PPM)

CORPORA LUTEA L/R	---- FETUSES LEFT HORN ----					IMPLANTATION SITES <POS. IN UTERUS>	---- FETUSES RIGHT HORN ----				
	IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V			IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V	
FEMALE 35 6/8	452	F	4.7	V		LIVE <1> LIVE	458	M	5.0		V
	453	F	4.3	A		LIVE <2> E.RES					
	454	F	4.7	V		LIVE <3> LIVE	459	F	4.5		A
	455	M	4.5	A		LIVE <4> LIVE	460	M	3.6		V
	456	M	5.0	V		LIVE <5> E.RES					
	457	F	4.0	A		LIVE <6> LIVE	461	M	4.1		A
FEMALE 36 10/3						<7> LIVE	462	F	4.4		V
						<8> LIVE	463	F	4.3		A
	464	F	4.7	V		LIVE <1> LIVE	472	F	4.9		V
	465	M	4.8	A		LIVE <2> LIVE	473	M	4.7		A
	466	F	4.3	V		LIVE <3> LIVE	474	F	5.2		V
	467	F	4.5	A		LIVE <4>					
	468	M	5.2	V		LIVE <5>					
	469	M	4.6	A		LIVE <6>					
						E.RES <7>					
	470	F	5.1	V		LIVE <8>					
FEMALE 37 8/7						LIVE <9>					
						E.RES <10>					
	475	F	4.1	V		LIVE <1> LIVE	483	M	4.4		V
	476	M	4.8	A		LIVE <2> LIVE	484	M	4.7		A
	477	M	4.6	V		LIVE <3> LIVE	485	F	4.5		V
	478	F	4.3	A		LIVE <4> E.RES					
	479	M	4.6	V		LIVE <5> LIVE	486	F	4.5		A
	480	F	4.6	A		LIVE <6> LIVE	487	F	4.3		V
	481	F	4.4	V		LIVE <7> LIVE	488	M	4.6		A
	482	F	4.1	A		LIVE <8>					
FEMALE 38 6/10						E.RES <1> LIVE	494	M	5.5		A
						LIVE <2> LIVE	495	F	4.9		V
	489	M	5.4	V		LIVE <3> LIVE	496	F	4.2		A
	490	M	5.1	A		LIVE <4> LIVE	497	F	4.2		V
	491	F	4.4	V		LIVE <5> LIVE	498	M	4.9		A
	492	M	4.9	A		LIVE <6> LIVE	499	F	4.7		V
	493	M	4.6	V		LIVE <7> LIVE	500	M	4.7		A
						<8> LIVE	501	M	4.8		V
						<9> LIVE	502	M	4.7		A
						<10> LIVE	503	M	4.9		V
FEMALE 39 9/8											
	504	F	4.6	V		LIVE <1> LIVE	513	F	5.2		A
	505	F	4.7	A		LIVE <2> LIVE	514	F	4.9		V
	506	M	5.2	V		LIVE <3> LIVE	515	M	5.0		A
	507	M	5.0	A		LIVE <4> LIVE	516	M	5.0		V
	508	F	4.6	V		LIVE <5> LIVE	517	F	4.6		A
	509	F	4.8	A		LIVE <6> LIVE	518	F	4.9		V
	510	F	4.7	V		LIVE <7> LIVE	519	M	4.5		A
	511	M	4.3	A		LIVE <8> E.RES					
	512	F	4.8	V		LIVE <9>					
FEMALE 40 7/9											
	520	M	5.2	V		LIVE <1> LIVE	527	M	5.5		A
	521	M	5.1	A		LIVE <2> LIVE	528	F	4.3		V
	522	M	5.3	V		LIVE <3> LIVE	529	F	4.9		A
	523	F	4.7	A		LIVE <4> LIVE	530	M	4.8		A
	524	M	5.0	V		LIVE <5> LIVE	531	M	5.1		A
	525	F	4.8	A		LIVE <6> LIVE	532	F	4.8		V
	526	M	4.9	V		LIVE <7> LIVE	533	F	4.5		A
						<8> LIVE	534	M	3.6		V
						<9> LIVE	535	F	4.5		A

LIVE - LIVE FETUS E.RES - EMBRYONIC RESORPTION V - VISCERAL EXAMINATION
DEAD - DEAD FETUS F.RES - FETAL RESORPTION A - ALIZARIN RED S SKELETAL STAINING TECH.

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ULTRAZINE FG-R

CAE-UT - 8
11-MAY-06

CONTENTS OF UTERUS (PLAN VIEW)
GROUP 2 (1100/1300 PPM)

CORPORA LUTEA L/R	---- FETUSES LEFT HORN ----				IMPLANTATION SITES		---- FETUSES RIGHT HORN ----			
	IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V	<POS. IN UTERUS>		IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V
FEMALE 41 9/6	788	F	4.6	V	LIVE	<1>	796	F	4.9	V
	789	F	4.7	A	LIVE	<2>	797	M	5.2	A
	790	M	4.9	V	LIVE	<3>	798	M	5.0	V
	791	M	5.0	A	LIVE	<4>	799	F	5.0	A
	792	M	5.4	V	LIVE	<5>	800	M	5.1	V
					E.RES	<6>				
	793	F	4.5	A	LIVE	<7>				
	794	M	5.2	V	LIVE	<8>				
	795	F	4.8	A	LIVE	<9>				
FEMALE 42 4/8	801	F	5.0	V	LIVE	<1>	804	M	4.6	A
	802	M	5.2	A	LIVE	<2>	805	M	5.3	V
	803	F	4.8	V	LIVE	<3>	806	M	5.3	A
							807	M	4.9	V
							808	M	4.4	A
							809	F	4.8	V
							810	M	5.1	A
FEMALE 43 7/10	980	F	4.6	V	LIVE	<1>	985	M	4.6	A
	981	M	5.0	A	LIVE	<2>	986	F	4.6	V
					E.RES	<3>	987	M	4.9	A
	982	M	4.6	V	LIVE	<4>	988	M	4.5	V
	983	M	4.9	A	LIVE	<5>	989	M	4.9	A
					E.RES	<6>	990	F	4.8	V
	984	M	4.9	V	LIVE	<7>	991	F	4.9	A
							992	F	4.7	V
							993	F	4.7	A
FEMALE 44 3/7	994	F	5.4	V	LIVE	<1>	997	F	5.6	A
	995	F	4.7	A	LIVE	<2>	998	M	4.7	V
	996	F	4.9	V	LIVE	<3>	999	F	5.3	A
							1000	F	4.7	V
							1001	F	5.0	A
							1002	M	5.2	V

LIVE - LIVE FETUS E.RES - EMBRYONIC RESORPTION V - VISCERAL EXAMINATION
DEAD - DEAD FETUS F.RES - FETAL RESORPTION A - ALIZARIN RED S SKELETAL STAINING TECHN.

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ULTRAZINE FG-R

CAE-UT - 9
11-MAY-06

**CONTENTS OF UTERUS (PLAN VIEW)
GROUP 3 (3300/3900 PPM)**

CORPORA LUTEA L/R	----- FETUSES LEFT HORN -----				IMPLANTATION SITES <POS. IN UTERUS>	----- FETUSES RIGHT HORN -----			
	IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V		IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V
FEMALE 45 6/8	196	F	4.9	V	LIVE <1> LIVE	202	F	4.7	V
	197	M	5.5	A	LIVE <2> LIVE	203	M	5.3	A
	198	F	5.0	V	LIVE <3> LIVE	204	F	4.8	V
	199	M	5.7	A	LIVE <4> LIVE	205	M	5.2	A
	200	M	5.1	V	LIVE <5> LIVE	206	F	5.0	V
	201	M	5.0	A	LIVE <6> LIVE	207	M	5.1	A
FEMALE 46 7/7					<7> LIVE	208	F	4.8	V
					<8> LIVE	209	M	5.1	A
	210	M	5.1	V	LIVE <1> LIVE	217	F	4.8	A
	211	F	4.7	A	LIVE <2> LIVE	218	M	5.6	V
	212	M	5.2	V	LIVE <3> LIVE	219	M	5.0	A
	213	F	4.8	A	LIVE <4> LIVE	220	F	4.8	V
FEMALE 47 6/7	214	F	5.1	V	LIVE <5> LIVE	221	M	4.9	A
	215	F	4.7	A	LIVE <6> LIVE	222	M	5.5	V
	216	M	4.8	V	LIVE <7> LIVE				
	223	F	4.7	V	LIVE <1> LIVE	228	F	4.8	A
	224	M	5.1	A	LIVE <2> E.RES				
	225	M	4.9	V	LIVE <3> LIVE	229	F	4.8	V
FEMALE 48 7/10	226	M	5.2	A	LIVE <4> LIVE	230	F	4.5	A
	227	M	4.7	V	LIVE <5> LIVE	231	F	4.8	V
					<6> LIVE	232	M	4.8	A
	233	M	4.9	V	LIVE <1> LIVE	240	M	5.1	A
	234	M	4.6	A	LIVE <2> LIVE	241	F	4.6	V
	235	M	5.1	V	LIVE <3> LIVE	242	F	4.6	A
FEMALE 49 8/9	236	M	4.7	A	LIVE <4> LIVE	243	F	4.6	V
	237	F	4.7	V	LIVE <5> LIVE	244	M	4.8	A
	238	M	4.7	A	LIVE <6> LIVE	245	M	4.4	V
	239	F	4.8	V	LIVE <7> LIVE	246	M	4.4	A
					<8> LIVE	247	M	4.6	V
					<9> LIVE	248	F	4.7	A
FEMALE 50 5/11					<10> LIVE	249	M	4.7	V
	536	F	4.8	V	LIVE <1> LIVE	543	F	4.7	A
	537	F	4.6	A	LIVE <2> LIVE	544	M	5.2	V
	538	F	4.5	V	LIVE <3> LIVE	545	M	5.0	A
					E.RES <4> LIVE	546	M	5.2	V
	539	F	5.0	A	LIVE <5> LIVE	547	F	4.5	A
FEMALE 50 5/11	540	M	5.0	V	LIVE <6> LIVE	548	F	4.8	V
	541	M	5.2	A	LIVE <7> LIVE	549	F	4.7	A
	542	M	4.9	V	LIVE <8> LIVE	550	M	5.2	V
					<9> LIVE	551	M	5.1	A
	552	F	4.5	V	LIVE <1> LIVE	557	M	4.8	A
	553	M	4.9	A	LIVE <2> LIVE	558	F	4.6	V
FEMALE 50 5/11	554	M	4.9	V	LIVE <3> LIVE	559	M	4.8	A
	555	M	4.8	A	LIVE <4> LIVE	560	M	4.7	V
	556	M	4.6	V	LIVE <5> LIVE	561	F	4.7	A
					<6> LIVE	562	M	4.6	V
					<7> LIVE	563	F	4.7	A
					<8> LIVE	564	M	5.0	V
FEMALE 50 5/11					<9> LIVE	565	M	5.0	A
					<10> LIVE	566	F	4.5	V
					<11> LIVE	567	F	4.3	A

LIVE - LIVE FETUS E.RES - EMBRYONIC RESORPTION V - VISCERAL EXAMINATION
DEAD - DEAD FETUS F.RES - FETAL RESORPTION A - ALIZARIN RED S SKELETAL STAINING TECHN.

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ULTRAZINE FG-R

CAE-UT - 10
11-MAY-06

CONTENTS OF UTERUS (PLAN VIEW)
GROUP 3 (3300/3900 PPM)

CORPORA LUTEA L/R	IDENT	SEX	FETUSES LEFT HORN WEIGHT (GRAM)	ANOM. A/ MALF. V	IMPLANTATION SITES <POS. IN UTERUS>	IDENT	SEX	FETUSES RIGHT HORN WEIGHT (GRAM)	ANOM. A/ MALF. V
FEMALE 51 8/6	568	F	4.9	V	LIVE <1> LIVE	576	M	5.3	V
	569	M	5.1	A	LIVE <2> LIVE	577	M	5.2	A
	570	M	5.5	V	LIVE <3> LIVE	578	M	5.2	V
	571	F	4.8	A	LIVE <4> LIVE	579	M	5.4	A
	572	F	5.1	V	LIVE <5> LIVE	580	M	4.9	V
	573	M	5.4	A	LIVE <6> LIVE	581	M	5.6	A
	574	F	5.1	V	LIVE <7>				
	575	F	5.3	A	LIVE <8>				
FEMALE 52 7/9	582	F	4.8	V	LIVE <1> LIVE	589	F	4.8	A
	583	M	5.0	A	LIVE <2> LIVE	590	M	4.9	V
	584	M	4.7	V	LIVE <3> LIVE	591	F	4.9	V
	585	M	4.9	A	LIVE <4> LIVE	592	F	4.7	V
	586	M	5.2	V	LIVE <5> LIVE	593	F	4.4	A
	587	M	5.1	A	LIVE <6> LIVE	594	F	4.3	V
	588	M	4.7	V	LIVE <7> LIVE	595	F	4.7	A
					LIVE <8> LIVE	596	F	4.3	V
FEMALE 53 7/3	597	F	4.9	V	E.RES <1> LIVE	603	F	4.9	V
	598	F	4.9	A	LIVE <2> LIVE	604	M	5.2	A
	599	M	4.8	V	LIVE <3> LIVE	605	M	4.8	V
	600	M	4.7	A	LIVE <4>				
	601	F	4.5	V	LIVE <5>				
	602	F	4.7	A	LIVE <6>				
					LIVE <7>				
FEMALE 54 10/8	811	F	4.5	V	LIVE <1> LIVE	821	F	3.7	V
	812	F	4.5	A	LIVE <2> LIVE	822	M	4.2	A
	813	M	4.3	V	LIVE <3> LIVE	823	F	4.2	V
	814	M	4.0	A	LIVE <4> LIVE	824	F	5.0	A
	815	F	4.3	V	LIVE <5> LIVE	825	M	4.8	V
	816	F	4.2	A	LIVE <6> LIVE	826	F	4.3	A
	817	F	4.3	V	LIVE <7> LIVE	827	M	4.7	V
	818	M	4.3	A	LIVE <8> LIVE	828	F	4.3	A
	819	M	4.8	V	LIVE <9>				
	820	F	4.2	A	LIVE <10>				
FEMALE 55 10/6	829	F	4.6	V	LIVE <1> LIVE	839	M	4.5	V
	830	M	4.4	A	LIVE <2> LIVE	840	M	4.8	A
	831	F	4.2	V	LIVE <3> LIVE	841	F	4.5	V
	832	F	4.4	A	LIVE <4> LIVE	842	F	4.5	A
	833	F	4.4	V	LIVE <5> LIVE	843	F	4.4	V
	834	M	4.7	A	LIVE <6> LIVE	844	M	4.9	A
	835	F	4.4	V	LIVE <7>				
	836	M	4.8	A	LIVE <8>				
	837	M	4.5	V	LIVE <9>				
	838	M	4.8	A	LIVE <10>				
FEMALE 56 8/10	845	F	4.9	V	LIVE <1> LIVE	853	M	5.2	V
	846	F	4.9	A	LIVE <2> LIVE	854	M	5.2	A
	847	F	4.8	V	LIVE <3> LIVE	855	F	4.6	V
	848	F	4.7	A	LIVE <4> LIVE	856	M	5.0	A
	849	M	5.0	V	LIVE <5> LIVE	857	F	5.3	V
	850	F	4.8	A	LIVE <6> LIVE	858	F	4.9	A
	851	M	5.0	V	LIVE <7> LIVE	859	M	5.3	V
	852	M	5.1	A	LIVE <8> E.RES				
					<9> LIVE	860	M	4.4	A
					<10> LIVE	861	M	4.4	V

LIVE - LIVE FETUS E.RES - EMBRYONIC RESORPTION V - VISCERAL EXAMINATION
DEAD - DEAD FETUS F.RES - FETAL RESORPTION A - ALIZARIN RED S SKELETAL STAINING TECHN.

RCC STUDY NUMBER A29992
ULTRAZINE FG-R

CAE-UT - 11
11-MAY-06

CONTENTS OF UTERUS (PLAN VIEW)
GROUP 3 (3300/3900 PPM)

CORPORA LUTEA L/R	---- FETUSES LEFT HORN ----				IMPLANTATION SITES		---- FETUSES RIGHT HORN ----				
	IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V	<POS. IN UTERUS>		IDENT	SEX	WEIGHT (GRAM)	ANOM. A/ MALF. V	
FEMALE 57 12/6	862	F	4.3	V	LIVE	<1>	LIVE	874	M	5.5	V
	863	M	4.7	A	LIVE	<2>	LIVE	875	F	4.7	A
	864	M	4.0	V	LIVE	<3>	LIVE	876	F	4.9	V
	865	M	5.2	A	LIVE	<4>	LIVE	877	M	5.0	A
	866	F	4.7	V	LIVE	<5>	LIVE	878	M	5.0	V
	867	F	4.5	A	LIVE	<6>	LIVE	879	M	5.0	A
	868	M	5.1	V	LIVE	<7>					
	869	F	4.6	A	LIVE	<8>					
	870	M	5.1	V	LIVE	<9>					
	871	F	4.8	A	LIVE	<10>					
	872	F	4.9	V	LIVE	<11>					
	873	F	4.6	A	LIVE	<12>					
FEMALE 58 5/9	1003	M	5.2	V	LIVE	<1>	LIVE	1008	M	4.9	A
	1004	M	5.0	A	LIVE	<2>	LIVE	1009	F	4.9	V
	1005	F	5.0	V	LIVE	<3>	LIVE	1010	M	4.7	A
	1006	M	4.9	A	LIVE	<4>	LIVE	1011	F	4.8	V
	1007	F	4.7	V	LIVE	<5>	LIVE	1012	M	4.8	A
					<6>	LIVE	1013	M	4.8	V	
					<7>	LIVE	1014	F	5.0	A	
					<8>	LIVE	1015	F	4.8	V	
					<9>	LIVE	1016	M	5.1	A	
FEMALE 59 6/7	1017	M	4.7	V	LIVE	<1>	LIVE	1023	M	4.8	V
	1018	F	4.3	A	LIVE	<2>	LIVE	1024	F	4.2	A
	1019	F	4.6	V	LIVE	<3>	LIVE	1025	M	4.5	V
	1020	F	4.4	A	LIVE	<4>	LIVE	1026	F	4.5	A
	1021	M	4.8	V	LIVE	<5>	E.RES				
	1022	F	4.0	A	LIVE	<6>	LIVE	1027	F	4.4	V
FEMALE 60 7/5	1028	F	4.8	V	LIVE	<1>	F.RES				
	1029	M	4.6	A	LIVE	<2>	LIVE	1034	F	4.3	V
	1030	M	5.2	V	LIVE	<3>	E.RES				
	1031	F	4.6	A	LIVE	<4>	LIVE	1035	M	4.9	A
	1032	F	4.4	V	LIVE	<5>	E.RES				
					E.RES	<6>					
	1033	M	4.8	A	LIVE	<7>					
FEMALE 61 6/8	1036	M	5.0	V	LIVE	<1>	LIVE	1041	F	4.3	A
	1037	F	4.6	A	LIVE	<2>	LIVE	1042	M	5.3	V
					E.RES	<3>	LIVE	1043	F	4.9	A
	1038	M	5.2	V	LIVE	<4>	LIVE	1044	M	5.0	V
	1039	F	4.6	A	LIVE	<5>	LIVE	1045	F	5.3	A
	1040	M	5.2	V	LIVE	<6>	LIVE	1046	M	4.9	V
					<7>	LIVE	1047	F	4.6	A	
					<8>	LIVE	1048	M	5.2	V	
FEMALE 62 7/8	1049	M	4.7	V	LIVE	<1>	LIVE	1055	F	4.9	V
	1050	M	5.0	A	LIVE	<2>	LIVE	1056	M	4.8	A
	1051	M	4.7	V	LIVE	<3>	LIVE	1057	F	4.5	V
	1052	M	4.7	A	LIVE	<4>	LIVE	1058	M	5.0	A
					E.RES	<5>	LIVE	1059	F	4.4	V
	1053	M	5.0	V	LIVE	<6>	LIVE	1060	F	4.7	A
	1054	M	4.6	A	LIVE	<7>	LIVE	1061	M	4.8	V
					<8>	LIVE	1062	M	4.8	A	

LIVE - LIVE FETUS E.RES - EMBRYONIC RESORPTION V - VISCERAL EXAMINATION
DEAD - DEAD FETUS F.RES - FETAL RESORPTION A - ALIZARIN RED S SKELETAL STAINING TECHN.