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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

APR 1 1991  
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008311

OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES

MEMORANDUM

**SUBJECT:** Ronilan Fungicide 50W [Vinclozolin] Toxicology Data  
Submitted under MRID Nos. 417030-01, -02, and  
417093-01  
ID No. 007969-00053

Chemical (Caswell) No.: 323C  
RD Record No.: S-387603  
HED Project No.: 1-0337

**FROM:** Irving Mauer, Ph.D., Geneticist  
Toxicology Branch I - Insecticide, Rodenticide Support  
Health Effects Division (H7509C) *Imauer 03/24/91*

**TO:** Susan Lewis/James Stone, PM Team 21  
Herbicide-Fungicide Branch  
Registration Division (H7505C)

**THRU:** Karl P. Baetcke, Ph.D., Chief  
Toxicology branch I - Insecticide, Rodenticide Support  
Health Effects Division (H7509C) *Karl P. Baetcke 3/25/91*

Registrant: BASF Corporation, RTP (NC)

Request

Review and evaluate the following three documents,  
submitted toward the registration of Ronilan® Fungicide 50W,  
as well as to report adverse data under FIFRA 6(a)(2):

Submission 1: INTERIM REPORT: Study of the Chronic  
Toxicity of Registration No. 83-258 (VINCLO-  
ZOLIN) in Wistar Rats. Project No. 71S0375/  
88026, performed by BASF Aktiengesellschaft,  
Department of Toxicology, Germany, 6700  
Ludwigshafen (EPA MRID No. 41703001).

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Submission 2: INTERIM REPORT: In Vitro Study on Dermal Penetration of Registration No. 83-258 (VINCLOZOLIN) [in] Human and Rat Skin. Project No. 11B0481/909008, performed by Inveresk Research International (IRI), Musselburgh (Scotland, UK) (EPA MRID No. 41703002).

- Submission 3:
- A. Report on the Study of the Prenatal Toxicity of Registration No. 83-258 (Vinclozolin) in Rabbits After Oral Administration (Gavage), Project No.: 38R0375/88062, Final Report dated February 14, 1990; study performed by BASF Aktiengesellschaft, Department of Toxicology, D-6700 Ludwigshafen (Federal Republic of Germany) (EPA MRID No. 417093-01).
  - B. Report on the Supplementary Study of the Prenatal Toxicity of Registration No. 83-258 (Vinclozolin) in Rabbits After Oral Administration (Gavage), Project No.: 40R0375/88077 (Supplementary to the Final Report of Project No. 38R0375/88062), Final Report dated February 22, 1990. (MRID No. 415305-01).

### TB Conclusions

Submissions 1 and 2 constitute interim reports of adverse effects reportable under FIFRA 6(a)(2) and are hereby noted, but are considered by the Agency as SUPPLEMENTARY DATA only, pending submission of the Final Reports of these studies (see attached abbreviated TB appraisals). Submission 3 (Developmental Toxicity - Rabbit), consisting of the two reports, A and B above, under submission 3, is fully reviewed and evaluated as CORE-MINIMUM, demonstrating the following parameters (see attached detailed review):

Doses tested: 0, 50, 200, 400, and 800 mg/kg/day administered by oral gavage from gestation days 7 to 28.

Maternal NOEL = 50 mg/kg/day  
Maternal LOEL = 200 mg/kg/day  
Developmental NOEL = 200 mg/kg/day  
Developmental LOEL = 400 mg/kg/day  
A/D Ratio = 0.25

Attachments (DERs)

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
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OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES

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March 20, 1991

MEMORANDUM

SUBJECT: Change of Core Classification of Inhalation Study on  
the Technical Fortress (IN 43898)

MRID No.: 408237-15  
Document No.: 007111

From: Henry Spencer *Handwritten: 3/25/91*  
Head, Review Section III  
Toxicology Branch I  
Health Effects Division (H7509C)

To: Ester Saito  
SACB  
Health Effects Division (H7509C)

INFO: Karl Baetcke, Chief *Handwritten: Karl Baetcke 3/25/91*  
Toxicology Branch I  
Health Effects Division (H7509C)

The study is reclassified as invalid due to the deficiencies  
noted on (pp2) of the review.

Additionally, rats and rabbits are discussed in the review  
which should only refer to rats as changed.

A new study is not required as was stated in the original  
SEP in Document 007112.7

**BEST AVAILABLE COPY**

Reviewed By: Irving Mauer, Ph.D., Geneticist  
Toxicology Branch I - IRS (H7505C)  
Secondary Reviewer: Karl P. Baetcke, Ph.D., Chief  
Toxicology Branch I - IRS (H7505C)

*J. Mauer*  
03/01/91  
*Henry Spencer*  
3/25/91

DATA EVALUATION RECORD  
(Abbreviated)

008311

I. SUMMARY

MRID No.: 417030-01  
ID No.: 7969-53  
RD Record No.: S-387603  
Caswell No.: 323C  
Project No.: 1-0337

Study Type: (83-1) Chronic Toxicity - Rat

Chemical: Vinclozolin (BASF 83-258)

Synonyms: Ronilan®

Sponsor: BASF, RTP (NC)

Testing Facility: BASF Aktiengesellschaft, Department of  
Toxicology, 6700 Ludwigshafen, Germany

Title of Report: INTERIM REPORT: Study of the Chronic  
Toxicity of Registration No. 83-258  
(VINCLÖZOLIN) in Wistar Rats, Project No.  
71S0375/88026.

Authors: None

Study Number: 71S0375/88026 (Reg. Doc. No. 90/0478)

Date of Issue: September 3, 1990/November 16, 1990

TB Conclusions:

Doses tested: 0, 150, 500, 1500, and 4500 ppm in feed  
for 24 months; 20 males/20 females per dose group.

Classification (Core-Grade):

CORE-SUPPLEMENTARY. Preliminary results only,  
summarizing gross pathological findings comprising possible  
6(a)(2) data (see attached), namely, anti-androgenic activity  
and ophthalmological findings.

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II. DETAILED REVIEW

A. Test Material - BASF 83-258 (vinclozolin)  
[No other description]

B. Test Organism - Rodent

Species: Rat  
Strain: Wistar  
Age: Not stated  
Weights - Males: Not stated  
              Females: Not stated  
Source: Not stated

C. Study Design (Protocol) - This study was designed to assess the chronic toxicity potential of vinclozolin when administered by dietary feed to male and female Wistar rats.

Statements of Quality Assurance measures (inspections/ audits) and of adherence of Good Laboratory Practice were both included in this Interim Report.

D. Preliminary TB Evaluation- As described in this Interim Report, compound and/or dose-dependent increases were found in the incidence of cataracts and enlarged/dyscolored adrenals in both sexes; hepatic nodules/nodular formations (collectively termed "masses"), especially in high-dose males; bilateral testicular lesions, coincident with reductions in size of accessory sex organs; and, uni-/bi-lateral ovarian masses (which the investigators suggested might have included enlarged corpora lutea).

The investigators submitted that the 1500 ppm dose level already represented a maximum tolerated dose (at least for carcinogenicity), and thus the HDT (4500 ppm) was excessive. However, they did not suggest NOELs for non-neoplastic findings, and there does not appear to be any no-effect levels, at least for ophthalmological lesions, and potential anti-androgenic effects.

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Preliminary Findings (Interim Report) 1/

| Observation                   | Dose level (ppm) |     |     |     |     |     |      |     |      |      |
|-------------------------------|------------------|-----|-----|-----|-----|-----|------|-----|------|------|
|                               | 0                |     | 150 |     | 500 |     | 1500 |     | 4500 |      |
|                               | M                | F   | M   | F   | M   | F   | M    | F   | M    | F    |
| Body weight (g)               | 684              | 444 | 735 | 440 | 713 | 442 | 593  | 373 | 457  | 309  |
| Cataracts (n)                 | 0                | 0   | 0   | 2   | 7   | 14  | 18   | 19  | 20   | 20   |
| SGGT (Liver)                  | --               | --  | --  | --  | --  | --  | --   | --  | Incr | Incr |
| HEMATOLOGY                    | --               | --  | --  | --  | --  | --  | Aff  | Aft | Incr | Aff  |
| <u>Necropsy:</u> Masses<br>in |                  |     |     |     |     |     |      |     |      |      |
| - Liver                       | 1                | 0   | 0   | 2   | 2   | 0   | 2    | 0   | 7    | 2    |
| - Testes                      | 8                | --  | 13  | --  | 17  | --  | 19   | --  | 20   | --   |
| - Ovaries                     | --               | 1   | --  | 1   | --  | 2   | --   | 4   | --   | 6    |
| <u>Reduced:</u>               |                  |     |     |     |     |     |      |     |      |      |
| - Epididymis                  | 0                | --  | 2   | --  | 5   | --  | 9    | --  | 13   | --   |
| - Prostate                    | 1                | --  | 3   | --  | 4   | --  | 12   | --  | 15   | --   |
| - Sem. vesicle                | 4                | --  | 5   | --  | 5   | --  | 13   | --  | 15   | --   |
| <u>Adrenals:</u>              |                  |     |     |     |     |     |      |     |      |      |
| Discoloration                 | 0                | 0   | 1   | 0   | 4   | 6   | 10   | 16  | 19   | 18   |
| Mass                          | 1                | 1   | 1   | 1   | 1   | --  | 1    | --  | --   | 1    |
| Enlarged                      | 1                | 5   | 0   | 1   | 1   | 6   | 4    | 15  | 16   | 16   |

Extracted from Tables 1 through 41 of the Interim Report

Reviewed By: Irving Mauer, Ph.D., Geneticist  
Toxicology Branch I - IRS - (H7509C)  
Secondary Reviewer: Karl P. Baetcke, Ph.D., Chief  
Toxicology Branch I - IRS - (H7509C)

*J. Mauer* 03/01/91  
*Karl P. Baetcke* for 3/25/91

DATA EVALUATION RECORD  
(Abbreviated)

008371

I. SUMMARY

MRID No.: 417030-02  
ID No.: 7969-53  
RD Record No.: S-387603  
Caswell No.: 3427  
Project No.: 1-0137

Study Type: (85-2) Dermal penetration - in vitro

Chemical: Vinclozolin (BASF 83-258)

Synonyms: Ronilan®

Sponsor: BASF, RTP (NC)

Testing Facility: Inveresk Research International (IRI)  
Musselburgh (UK)

Title of Report: INTERIM REPORT: In Vitro Study on Dermal Penetration of Registration No. 33-258 (VINCLOZOLIN) Human and Rat Skin, Project No. 11B0481/909008.

Authors: None

Study Number: 11B0481/909008

Date of Issue: November 21, 1990

TB Conclusions:

This interim report consists of unrefined raw data from in vitro exposures to rat and human epidermis preparations, at two levels, 2.9 and 200  $\mu\text{g}/\text{cm}^2$ .

Classification (Core-Grade): CORE-SUPPLEMENTARY



II. DETAILED REVIEW

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- A. Test Material - No details provided.
- B. Test Organism - No specifics provided.
- C. Study Design (Protocol) - This study was designed to assess the dermal penetration potential of vinclozolin when administered in vitro to human and rat skin samples.

A Statement of Quality Assurance measures (inspections/ audits) was not provided; however, a Statement of Adherence to Good Laboratory Practice was included in this Interim Report.

- D. Preliminary TB Evaluation - As summarized by the investigators, there appears to be large species differences in percutaneous transport at both dose levels, based upon compound absorption expressed as percent of the applied dose, with significantly higher values registered for rodent preparations, as follows (given as mean of means, calculated by the reviewer from summary tabulations provided in this Interim Report):

| DOSE<br>( $\mu\text{g}/\text{cm}^2$ ) | SPECIES | ABSORPTION (%) at: |            |
|---------------------------------------|---------|--------------------|------------|
|                                       |         | 8 HR p/d/          | 24 HR p.d. |
| "Low:<br>(2.9)                        | Rat     | 76.6               | 84.1       |
|                                       | Human   | 6.4                | 13.0       |
| "High"<br>200.0)                      | Rat     | 32.4               | 55.1       |
|                                       | Human   | 1.2                | 2.0        |

However, no definitive conclusions (nor, "margins of exposure/safety") can be drawn from these preliminary data, pending provision (in the Final Report to come) of at least sex of and exact location of the skin specimens, as well as other details of procedure and methods of analysis.

Reviewed By: Irving Mauer, Ph.D., Geneticist  
Toxicology Branch I - IRS (H7509C)  
Secondary Reviewer: Karl P. Baetcke, Ph.D., Chief  
Toxicology Branch I - IRS (H7509C)

*J. Mauer*  
03/01/91  
*K. P. Baetcke*  
3/25/91

DATA EVALUATION RECORD

008311

I. SUMMARY

MRID No.: 417093-01  
ID No.: 7969-53  
RD Record No.: S-387603  
Caswell No.: 323C  
Project No.: 1-0337

Study Type: (83-3) Developmental Toxicity - Rabbit

Chemical: Vinclozolin

Synonyms: Ronilan®

Sponsor: BASF Agricultural, RTP (NC)

Testing Facility: BASF Aktiengesellschaft, Department of  
Toxicology, Ludwigshafen (W. Germany)

Title of Report: Report on the Study of the Prenatal Toxicity  
of Registration No. 83-258 (Vinclozolin)  
in Rabbits After Oral Administration  
(Gavage).

Authors: E.P. Gelbke

Study Number: Project Nos. 38R0375/88062 and 40R0375/88077  
(Regis. Doc. Nos. BASF 90/0050 and 90/0051)

Date of Issue: February 14, 1990

TB Conclusions:

Doses tested: 0, 50, 200, 400, and 800 mg/kg/day by  
gavage from gestation day 7 thru day 28.

Maternal NOEL = 50 mg/kg/day

Maternal LOEL = 200 mg/kg/day (decreased food  
consumption; increased liver, adrenal  
weights).

Developmental NOEL = 200 mg/kg/day

Developmental LOEL = 400 mg/kg/day (increased  
resorptions/decreased live litter  
size)

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In addition, at higher doses (400, 800 mg/kg/day):

- dose-related reductions in maternal body weight
- abortions

A/D Ratio = 0.25

Classification (Core-Grade): CORE-MINIMUM

## II. DETAILED REVIEW

A. Test Material - Registration No. 83-253 vinclozolin)

Description: Solid: white powder  
Batch (Lot) No.: N 183  
Purity (%): 99.2  
Solvent/Carrier/Diluent: Double-distilled water  
containing 0.5 percent  
carboxymethyl cellulose  
(CMC)

B. Test Organism - Lagomorph

Species: Rabbit  
Strain: Himalayan (Chbs:HM - outbred)  
Age: ("Sexually mature") 25 to 32 weeks  
Weight: Females (only): 2715 g  
Source: Karl Thomae, Eberach-an-der-Riss (FRG)

C. Study Design (Protocol) - This study was designed to assess the developmentally toxic potential of vinclozolin when administered by oral gavage to pregnant rabbits, according to OECD and EPA Test Guidelines.

Statements of Quality Assurance measures (inspections/ audits) and of adherence to Good Laboratory Practice were both provided.

D. Procedures/Methods of Analysis - Following preliminary toxicity testing in both nonpregnant and pregnant NZW females (0, 100, 300, and 900 mg/kg/day for 21 days non-pregnant; 0, 20, 80, and 300 mg/kg/day for only 13 days during early pregnancy in the latter group), three groups of 15 artificially inseminated\* females each (pretreated with LH/FSE im) were administered test article (or CMC vehicle) by oral intubation (in a constant volume of 10 mL vehicle) once daily from gestation days 7 through 28. On day 29 gestation, all surviving animals were bled, sacrificed, internal organs examined, and fetuses dissected from uteri.

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\*With semen from healthy male Himalayans.

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Full rosters of maternal parameters\* are recorded at necropsy, corpora lutea enumerated, and the number and distribution of implantation sites classified (as live, dead, early, and late resorptions, as well as dead fetuses). Pregnancy rate and ratios of pre- and post-implantation losses were calculated according to standard conventions. All fetuses were sexed, weighed, and examined macroscopically, then sacrificed for soft tissue examination (by Wilson's method), followed by Dawson's method for skeletal assessments.

Fetal external, soft tissue, and skeletal "changes" (defects and/or variations) are classified by these investigators as follows (extracted from text page 19 of the Final Report):

- " - Malformations . . . Rare and/or probably lethal [i.e., life-threatening] changes . . . [such as] (exencephaly, atresia ani, hernia umbilicus).
- " - Variations . . . Changes which occur regularly [in test] as well as in control groups and have generally no adverse effect on survival . . . [such as] (dilated renal pelvis).
- " - Retardations . . . Delays in skeletal development compared with the norm at the time of examination . . . [such as] (sternbrae not ossified).
- " - Unclassified . . . external and soft tissue observations which cannot be classified as malformations, variations, or retardations . . . [such as] (focal liver necrosis).

\*Clinical: body weight (every 2 to 3 days)  
- food consumption (same freq.)  
- signs (daily)  
- mortality (daily)

Hematological: WBC - CBC (differential)  
RBC - CBC (differential)  
Hct  
MCV  
MCH  
MCHC  
Platelets

Gross pathology: Liver  
(incl. organ weights) Spleen  
Adrenals  
Uterus  
Ovaries

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For statistical evaluation of the data, the following tests were applied (with significance recorded at both 5 and 1 percent):

Dunnett's . . . for food consumption, body weight, b.w. change, corrected b.w. gain (net maternal weight change); weights of liver, adrenal, placentae, and uterus; numbers of fetuses, corpora lutea implantations, pre- and postimplantation losses, resorptions, and live fetuses.

Fisher's Exact . . . for conception rate, maternal mortality, and all (other) fetal findings.

Analysis of Variance (ANCOVA), followed by Dunnett's . . . for hematological parameters (except for differential counts).

- E. Results - In the preliminary 3-week test with virgin females, vinclozolin was severely toxic at the HDT, 900 mg/kg (producing universal lethargy and weakness, coupled with large weight loss), moderately so at the mid-dose (300 mg/kg), and minimally at 100 mg/kg. On the other hand, no maternal or reproductive toxicities were observed at any dose in pregnant does treated for the shorter period; while dose-dependent reductions in both mean whole-litter and individual fetal weights compared to concurrent controls were calculated, no value was outside the range of this lab's historical background control. On the basis of these results, 800 mg/kg was selected as the top dose for the definitive study (expected to produce both maternal and possible fetal effects); 200 mg/kg as the mid-dose (possible minimally toxic for dams and/or fetuses); and 50 mg/kg as an expected NOEL.

[NB: However, due to the fact that only 2 does of the high-dose group (800 mg/kg/day) were available for scheduled sacrifice (and only one of these was pregnant), while all other high-dose animals died or had to be sacrificed intercurrently after abortion, only a limited assessment could be made for this test group.

Hence, a supplemental study was conducted at oral doses of 400 mg/kg administered daily to 20 does from day 7 thru 28 of gestation. The results of this additional assay (SASF Project 40R0375/88077) are incorporated with those from the definitive study (38R0375/88062) in this DER. A summary of selected (significant) data extracted from both

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Final Reports is presented on the following page of this DER.]

One mid-dose female of the definitive study (No. 58-478/33) aborted on day 12 of gestation and was sacrificed in extremis a week later; all other mid-dose does survived to scheduled sacrifice. Only 2 of the 15 high-dose animals (800 mg/kg/day) survived to study termination (and only one of these was pregnant); one doe was found dead on day 19, one died after aborting on day 20, and 12 others were sacrificed following abortions during the course of treatment. Although none of the 20 does administered 400 mg/kg/day in the supplementary study died intercurrently, 10 did abort.

Food consumption by high-dosed does (400 and 800 mg/kg) was significantly reduced during the greater portion of their treatment periods; that by 200 mg/kg females only early in treatment, compensated for in the latter portion of the study by increased values. This consistent decreased food intake no doubt contributed to significant decreased mean body weights and weight gains among does at the HDT (800 mg/kg), less so for 400 mg/kg animals (where only a significant deficit in weight gain at midtreatment was observed).

Other clinical manifestations of maternal toxicity during the 21 days of treatment were observed at doses above 50 mg/kg, namely, gastrointestinal disturbances (manifested as reduced/absent defecation and/or discolored urine), lesions in major organs (dilation/discoloration in liver, kidney, and heart), and hemotoxicity (manifested as increased reticulocytes) in both 400 and 800 mg/kg groups; enlarged livers and adrenals (increased absolute weight) in 200, 400, and 800 mg/kg groups.

Concordant with the propensity for compound and dose-related abortion at high dose levels (10/20 at 400 mg/kg; 13/15 at 800 mg/kg) were reproduction and fetal changes at these levels. Some form of adverse changes were found in implantations, leading to significantly increased postimplant loss (approximately 33% and 43%, respectively, at 400 and 800 mg/kg, compared to 5 to 10% in concurrent controls, and a background range for this lab of 4.9 to 18.4%), coincident with decreased percent of live fetuses (54% and 57%). Mean fetal weight was not adversely affected even at the HDT; the apparently increased mean fetal weight among 400-mg/kg-treated pregnancies (= 44.5 g, compared to the concurrent control value of 39.9 g) was ascribable to the lower number of live fetuses in this group (but was within the lab historical range of 31.7 to 49.5 g).

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Clinical, Reproductive, and Fetal Effects of Oral  
Vinclozolin Administered to Rabbits from  
Gestation Day 7 Through Day 28<sup>1/</sup>

| Observation                                      | Dose Group (mg/kg/day) |                 |                  |                   |                   |                 |
|--|------------------------|-----------------|------------------|-------------------|-------------------|-----------------|
|  | 0 <sup>2</sup>         | 50 <sup>2</sup> | 200 <sup>2</sup> | 800 <sup>2/</sup> | 400 <sup>3/</sup> | 0 <sup>3/</sup> |
| <u>Maternal clinical data:</u>                   |                        |                 |                  |                   |                   |                 |
| Unscheduled deaths                               | 0                      | 0               | 0                | 2 <sup>4/</sup>   | 0                 | 0               |
| Abortions  | 0                      | 0               | 1                | 12                | 10                | 0               |
| Mean wt. gain (g):                               |                        |                 |                  |                   |                   |                 |
| - Day 16   | 2811                   | 2843            | 2802             | 2569**            | 2592              | 2685            |
| - Day 25   | 2861                   | 2892            | 2856             | 2373**            | 2711              | 2740            |
| Mean body wt. (g):                               |                        |                 |                  |                   |                   |                 |
| - To day 16                                      | 33.1                   | 49.1            | 32.0             | -110.3**          | -19.6*            | 19.0            |
| - To day 25                                      | 43.5                   | 54.7            | 56.8             | -39.1**           | 17.7              | 44.7            |
| Reduced activity                                 | 0                      | 0               | 0                | 2                 | 0                 | 0               |
| Reduced defecation                               | 0                      | 0               | 1                | 15                | 15                | 0               |
| Discolored urine                                 | 0                      | 0               | 1                | 13                | 8                 | 0               |
| Reticulocytes (0/00)                             | 16                     | 16              | 17               | 67**              | 29**              | 16              |
| Abs. liver wt. (g)                               | 53.55                  | 57.91           | 81.46**          | 144.31**          | 85.56**           | 50.03           |
| Rel. liver wt. (%)                               | 1.81                   | 1.94            | 2.69**           | 5.32**            | 3.05**            | 1.78            |
| Abs. adrenal wt. (g)                             | 0.20                   | 0.21            | 0.24*            | 0.26*             | 0.23              | 0.21            |
| Rel. adrenal wt. (%)                             | 0.01                   | 0.01            | 0.01             | 0.01              | 0.01              | 0.01            |
| <u>Maternal necropsy/<br/>reproduction data:</u> |                        |                 |                  |                   |                   |                 |
| Heart changes                                    | 0                      | 0               | 0                | 3                 | 7                 | 0               |
| Implant changes                                  | 0                      | 0               | 1                | 12                | 10                | 0               |
| Postimpl. loss (%)                               | 4.9                    | 6.1             | 8.9              | 42.9*             | 32.9*             | 10.3            |
| Live fetuses (%)                                 | 95.1                   | 93.9            | 91.1             | 57.1*             | 53.9*             | 89.7            |
| <u>Fetal data:</u>                               |                        |                 |                  |                   |                   |                 |
| Mean wt. (g)                                     | 40.9                   | 43.7            | 42.6             | 38.4              | 44.5*             | 39.9            |
| Malformed sternbrae (%)                          | 0                      | 1.1             | 0                | 25.0*             | 0                 | 1.7             |
| Retarded ossification (%)                        | 58.3                   | 57.4            | 59.6             | 75.0*             | 33.3              | 58.1            |

<sup>1/</sup>Selected observations and group data extracted from summary and individual animal data tables in both Final Reports.

<sup>2/</sup>Main ("definitive") study, BASF Project No. 38R0375/88062 (15/group)

<sup>3/</sup>Supplemental study, BASF Project No. 40R0375/88077 (20/group)

<sup>4/</sup>One after aborting

\*Significantly different from control, p < 0.05

\*\*Significantly different from control, p < 0.01



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There were <sup>no</sup>/~~no~~ fetuses with either external or soft-tissue malformations considered to be compound-related, even at the HDT. As recorded by the investigators, the only statistically significant fetal finding was malformed sternbrae in one of four fetuses in the one high-dose (800 mg/kg) litter (amounting to 25% of surviving fetuses at this dose). This finding was considered as being without biological relevance on account of the limited number of high dose fetuses which could be evaluated at this dose level, and the occurrence of the same incidence of this finding in the fetuses of test group 1 (50 mg/kg body weight/day), as well as in historical controls (but not present in either 200 or 400 mg/kg fetuses). The only other anomaly recorded was a slight (but significant) increase in overall delayed ossification among the three remaining fetuses of the HDT group.

Other fetal findings (malformations, variations, retardations, or unclassified observations) occurred in all test groups, including the current control, with the similar incidences, as well as in the background (historical control). Specifically (and in contrast to findings in fetal rats), there were no compound-related effects on the genitalia of male fetuses. The investigators concluded that the oral administration of vinclozolin to pregnant rabbits from gestation day 7 through 28 p.i. at dose levels of 50, 200, 400, and 800 mg/kg/day caused dose-related reductions in body weight and food consumption at higher doses (400, 800 mg/kg), accompanied by abortions and other adverse clinical, hematological, and organ changes, as well as increased postimplant loss and possibly fetal skeletal variations.

Since 200 mg/kg does ate less and showed statistically significant increased absolute and relative liver weight as well as increased absolute adrenal weight, 50 mg/kg/day was considered the maternal NOEL.

Embryo/fetotoxicity and/or adverse fetal effects were also found only at higher dosage levels, and none at 200 mg/kg/day which was thus considered the fetal NOEL.

**TB Conclusions - CORE-MINIMUM.** Although performed in separate assays (due to severe toxicity in the definitive study at the HDT), this investigation in toto satisfies the minimal criteria for a developmental toxicity study of this test substance in the second species (rabbit), and provides the following established parameters:

Doses tested: 0, 50, 200, 400, and 800 mg/kg/day but oral intubation from gestation day 7 through 28.

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Maternal MCEI = 50 mg/kg/day  
LOEL = 200 mg/kg/day (decr. food consumption;  
increased liver/adrenal weight)

Developmental/fetal NOEL = 200 mg/kg/day  
LOEL = 400 mg/kg/day (incr.  
resorptions; decreased live  
litter size).

A/D Ratio = 50/200 = 0.25

Attachments (Summary Data Tables)

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[Two-Sided]  
Attachment 1  
(Summary Data Tables)

008371

A. MAIN STUDY (Doses: 0, 50, 200, 800 mg/kg)

11-DEC-69

00062

TABLE : 001

PROJECT NO. 3800375/88062: PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 MEAN MATERNAL FOOD CONSUMPTION DURING GESTATION -- GRAMS/ANIMAL/DAY

| DAYS          | TEST GROUP 0<br>CONTROL CMC |       |    | TEST GROUP 1<br>50 MG/MG BW/DAY |       |    | TEST GROUP 2<br>200 MG/MG BW/DAY |       |    | TEST GROUP 3<br>800 MG/MG BW/DAY |       |    |
|---------------|-----------------------------|-------|----|---------------------------------|-------|----|----------------------------------|-------|----|----------------------------------|-------|----|
|               | MEAN                        | S.D.  | N  | MEAN                            | S.D.  | N  | MEAN                             | S.D.  | N  | MEAN                             | S.D.  | N  |
| DAYS 0 TO 1   | 111.0                       | 22.65 | 15 | 120.3                           | 23.08 | 15 | 113.8                            | 14.93 | 15 | 113.7                            | 32.88 | 14 |
| DAYS 1 TO 2   | 123.0                       | 20.85 | 15 | 129.6                           | 18.41 | 15 | 126.9                            | 13.51 | 15 | 129.3                            | 26.18 | 14 |
| DAYS 2 TO 3   | 111.8                       | 28.68 | 15 | 122.3                           | 22.28 | 15 | 114.9                            | 12.63 | 15 | 121.5                            | 23.39 | 14 |
| DAYS 3 TO 4   | 116.0                       | 33.48 | 15 | 127.8                           | 18.83 | 14 | 119.7                            | 14.65 | 15 | 124.8                            | 24.66 | 14 |
| DAYS 4 TO 5   | 108.1                       | 31.00 | 15 | 119.9                           | 22.08 | 15 | 106.7                            | 14.78 | 15 | 118.6                            | 22.29 | 14 |
| DAYS 5 TO 6   | 115.1                       | 28.33 | 15 | 117.7                           | 22.88 | 15 | 106.0                            | 8.86  | 15 | 118.1                            | 21.08 | 14 |
| DAYS 6 TO 7   | 118.5                       | 27.02 | 15 | 122.2                           | 21.45 | 15 | 109.5                            | 11.77 | 15 | 127.8                            | 20.52 | 13 |
| DAYS 7 TO 8   | 111.1                       | 20.85 | 15 | 116.8                           | 21.88 | 15 | 88.88                            | 16.70 | 15 | 59.50                            | 20.05 | 14 |
| DAYS 8 TO 9   | 114.3                       | 18.14 | 15 | 114.9                           | 22.92 | 15 | 94.24                            | 18.43 | 15 | 37.84                            | 16.88 | 14 |
| DAYS 9 TO 10  | 111.0                       | 17.53 | 15 | 113.1                           | 22.08 | 15 | 101.3                            | 17.83 | 15 | 41.46                            | 12.35 | 14 |
| DAYS 10 TO 11 | 111.7                       | 17.21 | 15 | 109.8                           | 21.83 | 15 | 98.4                             | 23.40 | 15 | 48.18                            | 13.62 | 14 |

SIGNIFICANTLY DIFFERENT FROM CONTROL: \* P<0.05; † P<0.01.

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TABLE 002

PROJECT NO. 30R0375/00062: PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 MEAN MATERNAL FOOD CONSUMPTION DURING GESTATION GRAMS/ANIMAL/DAY

| DAYS          | TEST GROUP 0<br>CONTROL CMC |  | TEST GROUP 1<br>50 MG/RC BW/DAY |  | TEST GROUP 2<br>200 MG/RC BW/DAY |  | TEST GROUP 3<br>800 MG/RC BW/DAY |  |
|---------------|-----------------------------|--|---------------------------------|--|----------------------------------|--|----------------------------------|--|
|               | MEAN<br>S.D.<br>N           |  | MEAN<br>S.D.<br>N               |  | MEAN<br>S.D.<br>N                |  | MEAN<br>S.D.<br>N                |  |
| DAYS 11 TO 12 | 105.0<br>17.21<br>15        |  | 98.0<br>20.01<br>15             |  | 93.5<br>21.12<br>15              |  | 42.60<br>17.61<br>14             |  |
| DAYS 12 TO 13 | 87.4<br>23.25<br>15         |  | 87.0<br>20.38<br>15             |  | 87.3<br>23.60<br>15              |  | 30.10<br>17.14<br>14             |  |
| DAYS 13 TO 14 | 86.0<br>24.40<br>15         |  | 86.0<br>23.45<br>15             |  | 78.9<br>28.78<br>15              |  | 12.80<br>18.18<br>14             |  |
| DAYS 14 TO 15 | 80.0<br>32.41<br>15         |  | 82.0<br>22.03<br>15             |  | 70.7<br>34.21<br>15              |  | 8.50<br>11.68<br>14              |  |
| DAYS 15 TO 16 | 85.5<br>42.00<br>15         |  | 80.4<br>20.80<br>15             |  | 73.0<br>34.26<br>15              |  | 7.00<br>10.00<br>14              |  |
| DAYS 16 TO 17 | 82.0<br>34.01<br>15         |  | 82.0<br>17.41<br>15             |  | 77.3<br>28.72<br>15              |  | 8.40<br>10.44<br>14              |  |
| DAYS 17 TO 18 | 88.1<br>30.22<br>15         |  | 86.3<br>25.37<br>14             |  | 80.5<br>28.06<br>15              |  | 9.20<br>12.04<br>14              |  |
| DAYS 18 TO 19 | 81.0<br>25.82<br>14         |  | 81.3<br>28.04<br>15             |  | 83.9<br>26.10<br>15              |  | 6.60<br>9.88<br>13               |  |
| DAYS 19 TO 20 | 87.0<br>20.46<br>15         |  | 82.0<br>23.00<br>15             |  | 76.9<br>33.12<br>15              |  | 7.10<br>13.64<br>13              |  |
| DAYS 20 TO 21 | 87.4<br>22.10<br>15         |  | 88.0<br>18.04<br>15             |  | 84.0<br>33.00<br>15              |  | 11.50<br>18.18<br>12             |  |
| DAYS 21 TO 22 | 87.4<br>28.58<br>15         |  | 82.1<br>28.05<br>15             |  | 79.1<br>33.00<br>15              |  | 17.10<br>27.08<br>8              |  |

--- SIGNIFICANTLY DIFFERENT FROM CONTROL: \* = P<0.05; \*\* = P<0.01.

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88062

TABLE

003

PROJECT NO. 3880375/88062: PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 MEAN MATERNAL FOOD CONSUMPTION DURING GESTATION -- GRAMS/ANIMAL/DAY

| DAYS          | TEST GROUP 0<br>CONTROL CMC |                      | TEST GROUP 1<br>50 MG/MG BW/DAY |             | TEST GROUP 2<br>200 MG/MG BW/DAY |             | TEST GROUP 3<br>800 MG/MG BW/DAY |             |
|---------------|-----------------------------|----------------------|---------------------------------|-------------|----------------------------------|-------------|----------------------------------|-------------|
|               | MEAN                        | S.D.<br>N            | MEAN                            | S.D.<br>N   | MEAN                             | S.D.<br>N   | MEAN                             | S.D.<br>N   |
| DAYS 22 TO 23 | 94.4                        | 22.82<br>15          | 95.4                            | 25.25<br>15 | 89.5                             | 31.34<br>15 | 24.60                            | 44.94<br>7  |
| DAYS 23 TO 24 | 100.0                       | 17.85<br>14          | 100.3                           | 22.36<br>15 | 84.2                             | 33.04<br>15 | 16.80                            | 34.84<br>7  |
| DAYS 24 TO 25 | 104.2                       | 12.36<br>15          | 109.9                           | 18.00<br>15 | 88.8                             | 32.84<br>15 | 30.60                            | 66.34<br>5  |
| DAYS 25 TO 26 | 87.8                        | 22.88<br>15          | 111.4                           | 17.03<br>15 | 114.9                            | 23.37<br>14 | 51.60                            | 87.99<br>3  |
| DAYS 26 TO 27 | 88.8                        | 22.25<br>15          | 112.0                           | 17.88<br>15 | 124.70                           | 17.83<br>14 | 148.40                           | 0.00<br>1   |
| DAYS 27 TO 28 | 110.0                       | 18.03<br>15          | 122.1                           | 17.50<br>15 | 138.80                           | 18.38<br>14 | 167.20                           | 0.00<br>1   |
| DAYS 28 TO 29 | 112.2                       | 18.11<br>15          | 118.0                           | 24.28<br>15 | 134.14                           | 18.63<br>14 | 164.8                            | 0.00<br>1   |
| DAYS 0 TO 7   | MEAN OF MEANS               | 114.8<br>4.83<br>7   | 122.80                          | 4.33<br>7   | 113.8                            | 7.43<br>7   | 122.1                            | 5.53<br>7   |
| DAYS 7 TO 28  | MEAN OF MEANS               | 88.7<br>8.23<br>21   | 101.6                           | 10.97<br>21 | 91.8                             | 17.12<br>21 | 37.50                            | 43.41<br>21 |
| DAYS 0 TO 28  | MEAN OF MEANS               | 103.1<br>10.81<br>28 | 107.3                           | 13.14<br>28 | 98.7                             | 18.82<br>28 | 62.30                            | 55.54<br>28 |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05; b = P<0.01.

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80083

TABLE 004

PROJECT NO. A80331A/B/C/D, PRENATAL TOXICITY STUDY IN RABBITS  
 HRAL ADMINISTRATION (GAVAGE)  
 MEAN MATERNAL BODY WEIGHTS DURING GESTATION - GRAMS

| DAY    | MEAN<br>S.D.<br>N   | TEST GROUP 0        |                     |                      | TEST GROUP 1        |                     |                     | TEST GROUP 2         |                     |                     | TEST GROUP 3        |                      |   |
|--------|---------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---------------------|----------------------|---|
|        |                     | MEAN                | S.D.                | N                    | MEAN                | S.D.                | N                   | MEAN                 | S.D.                | N                   | MEAN                | S.D.                 | N |
| DAY 0  | 2714<br>166.3<br>15 | 2730<br>189.8<br>15 | 2713<br>112.4<br>15 | 2715<br>131.7<br>14  | 2714<br>166.3<br>15 | 2730<br>189.8<br>15 | 2713<br>112.4<br>15 | 2715<br>131.7<br>14  | 2714<br>166.3<br>15 | 2730<br>189.8<br>15 | 2713<br>112.4<br>15 | 2715<br>131.7<br>14  |   |
| DAY 2  | 2756<br>172.8<br>15 | 2788<br>202.7<br>15 | 2774<br>128.6<br>15 | 2769<br>124.1<br>14  | 2756<br>172.8<br>15 | 2788<br>202.7<br>15 | 2774<br>128.6<br>15 | 2769<br>124.1<br>14  | 2756<br>172.8<br>15 | 2788<br>202.7<br>15 | 2774<br>128.6<br>15 | 2769<br>124.1<br>14  |   |
| DAY 4  | 2749<br>166.2<br>15 | 2778<br>211.8<br>15 | 2781<br>133.2<br>15 | 2770<br>130.6<br>14  | 2749<br>166.2<br>15 | 2778<br>211.8<br>15 | 2781<br>133.2<br>15 | 2770<br>130.6<br>14  | 2749<br>166.2<br>15 | 2778<br>211.8<br>15 | 2781<br>133.2<br>15 | 2770<br>130.6<br>14  |   |
| DAY 7  | 2752<br>178.4<br>15 | 2774<br>215.4<br>15 | 2748<br>131.8<br>15 | 2774<br>135.3<br>14  | 2752<br>178.4<br>15 | 2774<br>215.4<br>15 | 2748<br>131.8<br>15 | 2774<br>135.3<br>14  | 2752<br>178.4<br>15 | 2774<br>215.4<br>15 | 2748<br>131.8<br>15 | 2774<br>135.3<br>14  |   |
| DAY 8  | 2751<br>182.5<br>15 | 2781<br>207.5<br>15 | 2748<br>122.8<br>15 | 2786<br>146.3<br>14  | 2751<br>182.5<br>15 | 2781<br>207.5<br>15 | 2748<br>122.8<br>15 | 2786<br>146.3<br>14  | 2751<br>182.5<br>15 | 2781<br>207.5<br>15 | 2748<br>122.8<br>15 | 2786<br>146.3<br>14  |   |
| DAY 11 | 2748<br>188.8<br>15 | 2773<br>218.3<br>15 | 2742<br>127.6<br>15 | 2742<br>148.7<br>14  | 2748<br>188.8<br>15 | 2773<br>218.3<br>15 | 2742<br>127.6<br>15 | 2742<br>148.7<br>14  | 2748<br>188.8<br>15 | 2773<br>218.3<br>15 | 2742<br>127.6<br>15 | 2742<br>148.7<br>14  |   |
| DAY 14 | 2778<br>148.0<br>15 | 2784<br>211.0<br>15 | 2771<br>140.5<br>15 | 2879<br>153.8<br>14  | 2778<br>148.0<br>15 | 2784<br>211.0<br>15 | 2771<br>140.5<br>15 | 2879<br>153.8<br>14  | 2778<br>148.0<br>15 | 2784<br>211.0<br>15 | 2771<br>140.5<br>15 | 2879<br>153.8<br>14  |   |
| DAY 16 | 2811<br>168.8<br>15 | 2843<br>208.4<br>15 | 2802<br>148.5<br>15 | 2560D<br>167.7<br>14 | 2811<br>168.8<br>15 | 2843<br>208.4<br>15 | 2802<br>148.5<br>15 | 2560D<br>167.7<br>14 | 2811<br>168.8<br>15 | 2843<br>208.4<br>15 | 2802<br>148.5<br>15 | 2560D<br>167.7<br>14 |   |
| DAY 18 | 2804<br>149.1<br>15 | 2838<br>188.8<br>15 | 2815<br>160.3<br>15 | 2423D<br>188.0<br>13 | 2804<br>149.1<br>15 | 2838<br>188.8<br>15 | 2815<br>160.3<br>15 | 2423D<br>188.0<br>13 | 2804<br>149.1<br>15 | 2838<br>188.8<br>15 | 2815<br>160.3<br>15 | 2423D<br>188.0<br>13 |   |
| DAY 21 | 2803<br>188.2<br>15 | 2828<br>188.4<br>15 | 2789<br>166.0<br>15 | 2375D<br>175.4<br>12 | 2803<br>188.2<br>15 | 2828<br>188.4<br>15 | 2789<br>166.0<br>15 | 2375D<br>175.4<br>12 | 2803<br>188.2<br>15 | 2828<br>188.4<br>15 | 2789<br>166.0<br>15 | 2375D<br>175.4<br>12 |   |
| DAY 23 | 2817<br>158.4<br>15 | 2837<br>185.2<br>15 | 2789<br>185.4<br>15 | 2401D<br>187.4<br>7  | 2817<br>158.4<br>15 | 2837<br>185.2<br>15 | 2789<br>185.4<br>15 | 2401D<br>187.4<br>7  | 2817<br>158.4<br>15 | 2837<br>185.2<br>15 | 2789<br>185.4<br>15 | 2401D<br>187.4<br>7  |   |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05; b = P<0.01.

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08062

PROJECT NO. 3880375/88062: PRENATAL TOXICITY STUDY IN RABBITS

ORAL ADMINISTRATION (GAVAGE)

MEAN MATERNAL BODY WEIGHT CHANGE DURING GESTATION -- GRAMS

TABLE

006

| DAYS          | TEST GROUP 0<br>CONTROL CMC |             | TEST GROUP 1<br>50 MG/KG BW/DAY |             | TEST GROUP 2<br>200 MG/KG BW/DAY |             | TEST GROUP 3<br>800 MG/KG BW/DAY |             |
|---------------|-----------------------------|-------------|---------------------------------|-------------|----------------------------------|-------------|----------------------------------|-------------|
|               | MEAN                        | S.D.<br>N   | MEAN                            | S.D.<br>N   | MEAN                             | S.D.<br>N   | MEAN                             | S.D.<br>N   |
| DAYS 0 TO 2   | 47.3                        | 24.01<br>15 | 57.8                            | 28.05<br>15 | 61.7                             | 33.42<br>15 | 53.7                             | 47.44<br>14 |
| DAYS 2 TO 4   | -6.9                        | 21.08<br>15 | -9.3                            | 26.56<br>15 | -13.2                            | 18.51<br>15 | 1.2                              | 21.42<br>14 |
| DAYS 4 TO 7   | 2.5                         | 27.88<br>16 | -4.8                            | 28.08<br>15 | -13.0                            | 18.41<br>15 | 4.5                              | 26.07<br>14 |
| DAYS 7 TO 9   | -1.0                        | 23.24<br>15 | 7.2                             | 20.60<br>15 | 0.6                              | 26.70<br>15 | 11.6                             | 32.05<br>14 |
| DAYS 9 TO 11  | -2.1                        | 18.15<br>15 | -7.8                            | 18.38<br>15 | -9.2                             | 26.01<br>15 | -43.76                           | 39.35<br>14 |
| DAYS 11 TO 14 | 28.1                        | 24.37<br>15 | 28.8                            | 28.32<br>15 | 38.85                            | 38.85<br>15 | -67.58                           | 46.62<br>14 |
| DAYS 14 TO 16 | 33.1                        | 33.36<br>15 | 48.1                            | 38.83<br>15 | 43.21                            | 43.21<br>15 | -110.36                          | 50.26<br>14 |
| DAYS 16 TO 18 | -6.8                        | 26.82<br>15 | -4.8                            | 28.75<br>15 | 12.4                             | 26.55<br>15 | -143.18                          | 54.61<br>13 |
| DAYS 18 TO 21 | -8.8                        | 22.88<br>15 | -8.8                            | 18.88<br>15 | -25.8                            | 22.82<br>15 | -88.88                           | 68.48<br>12 |
| DAYS 21 TO 23 | 13.8                        | 26.38<br>15 | 8.8                             | 24.88<br>15 | 18.4                             | 35.83<br>15 | -23.8                            | 93.15<br>7  |
| DAYS 23 TO 26 | 43.8                        | 28.33<br>15 | 54.7                            | 22.81<br>15 | 56.8                             | 36.48<br>15 | -39.18                           | 100.51<br>6 |

SIGNIFICANTLY DIFFERENT FROM CONTROL; \* = P<0.05; \*\* = P<0.01

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TABLE : 005

PROJECT NO. 3880375/80062: PRENATAL TOXICITY STUDY IN RABBITS

ORAL ADMINISTRATION (GAVAGE)

MEAN MATERNAL BODY WEIGHTS DURING GESTATION -- GRAMS

|        |             | TEST GROUP 0    | TEST GROUP 1     | TEST GROUP 2     | TEST GROUP 3      |
|--------|-------------|-----------------|------------------|------------------|-------------------|
|        |             | 50 MG/KG BW/DAY | 200 MG/KG BW/DAY | 200 MG/KG BW/DAY | 800 MG/KG BW/DAY  |
|        | CONTROL CMC |                 |                  |                  |                   |
| DAY 26 | MEAN        | 2001            | 2027             | 2086             | 2372 <sup>b</sup> |
|        | S.D.        | 168.1           | 200.6            | 204.1            | 267.8             |
|        | N           | 15              | 15               | 15               | 6                 |
| DAY 30 | MEAN        | 2010            | 2001             | 2004             | 2609              |
|        | S.D.        | 164.3           | 191.2            | 130.1            | 0.0               |
|        | N           | 15              | 15               | 14               | 1                 |
| DAY 36 | MEAN        | 2034            | 2007             | 2026             | 2777              |
|        | S.D.        | 180.2           | 191.1            | 191.5            | 216               |
|        | N           | 15              | 14               | 14               | 1                 |

DIFFERENCES FROM CONTROL: a = P<0.05; b = P<0.01.

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11-DEC-80

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PROJECT NO. J6R0375/88062; PRENATAL TOXICITY STUDY IN RABBITS

TABLE 1 007

ORAL ADMINISTRATION (GAVAGE)  
MEAN MATERNAL BODY WEIGHT CHANGE DURING GESTATION - GRAMS

|               | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>50 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|---------------|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| DAYS 26 TO 28 | MEAN<br>S.D.<br>N           | 50.1<br>30.05<br>18             | 69.2<br>30.37<br>15              | 94.9 <sup>a</sup><br>37.68<br>14 |
| DAYS 20 TO 26 | MEAN<br>S.D.<br>N           | 31.0<br>31.01<br>18             | 31.3<br>25.12<br>15              | 31.3<br>35.15<br>14              |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a - P<0.05; b - P<0.01.

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TABLE 008

PROJECT NO. 3080375/8067; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)

MEAN MATERNAL BODY WEIGHT CHANGE DURING GESTATION - GRAMS

| DAYS 0 TO 7  | MEAN<br>S.D.<br>N    | TEST GROUP 1<br>50 MG/KG BW/DAY |                       |                     | TEST GROUP 2<br>200 MG/KG BW/DAY |      |   | TEST GROUP 3<br>800 MG/KG BW/DAY |      |   |
|--------------|----------------------|---------------------------------|-----------------------|---------------------|----------------------------------|------|---|----------------------------------|------|---|
|              |                      | MEAN                            | S.D.                  | N                   | MEAN                             | S.D. | N | MEAN                             | S.D. | N |
| DAYS 0 TO 7  | 37.0<br>51.03<br>15  | 43.7<br>39.48<br>15             | 36.8<br>35.92<br>15   | 36.7<br>45.31<br>14 |                                  |      |   |                                  |      |   |
| DAYS 7 TO 28 | 167.1<br>67.44<br>15 | 187.6<br>92.47<br>15            | 237.4<br>117.44<br>14 | 36.0<br>0.00<br>1   |                                  |      |   |                                  |      |   |
| DAYS 0 TO 28 | 236.0<br>82.11<br>15 | 262.8<br>101.50<br>15           | 307.6<br>128.96<br>14 | 89.7<br>0.00<br>1   |                                  |      |   |                                  |      |   |

--- SIGNIFICANTLY DIFFERENT FROM CONTROL. a = P<0.05; b = P<0.01.

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00002

PROJECT NO. 38R0J75/BB002: PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 MEAN GRAVID UTERINE WEIGHTS AND NET MATERNAL BODY WEIGHT CHANGE - GRAMS

TABLE : 009

|                              | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>50 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|------------------------------|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| GRAVID UTERUS                |                             |                                 |                                  |                                  |
| MEAN                         | 352.8                       | 370.8                           | 374.1                            | 270.5                            |
| S.D.                         | 82.74                       | 84.81                           | 117.44                           | 0.00                             |
| N                            | 18                          | 15                              | 14                               | 1                                |
| CARCASS                      |                             |                                 |                                  |                                  |
| MEAN                         | 2587.8                      | 2621.6                          | 2651.4                           | 2491.9                           |
| S.D.                         | 188.88                      | 172.31                          | 90.17                            | 0.00                             |
| N                            | 18                          | 15                              | 14                               | 1                                |
| NET WEIGHT CHANGE FROM DAY 7 |                             |                                 |                                  |                                  |
| MEAN                         | -154.1                      | -152.0                          | -106.4                           | -161.2                           |
| S.D.                         | 88.88                       | 68.00                           | 93.08                            | 0.00                             |
| N                            | 15                          | 18                              | 14                               | 1                                |

SIGNIFICANTLY DIFFERENT FROM CONTROL; a = P<0.05; b = P<0.01.

CARCASS WEIGHT = TERMINAL BODY WEIGHT MINUS UTERINE WEIGHT  
NET WEIGHT CHANGE FROM DAY 7 = CARCASS WEIGHT MINUS DAY 7 BODY WEIGHT

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PROJECT NO. JBR0375/88062. PRENATAL TOXICITY STUDY IN RABBITS  
ORAL ADMINISTRATION (GAVAGE)  
SUMMARY OF MATERNAL CLINICAL OBSERVATIONS DURING GESTATION

TABLE 012

| GROUP         | DAY OF GESTATION |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|---------------|------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|               | 1                | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | TOTAL |
| 0             | 18               | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18    |
| 1             | 18               | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18    |
| 2             | 18               | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18    |
| 3             | 18               | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18    |
| NO DEPECATION | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     |
| 1             | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     |
| 2             | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     |
| 3             | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     |
|               |                  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |

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BASF TOXICOLOGY - DATATOR AC.2  
PROJECT NUMBER 380375/8002

REG. NO. 83 758

TABLE 01J

HEMATOLOGICAL EXAMINATIONS

PRINT DATE 6 NOV-89

Nominal days in study 28 P.I.

| GROUP     | WBC<br>GIGA/L             | RBC<br>TERA/L      | HGB<br>MMOL/L      | HCT<br>L/L           | MCV<br>FL           | MCH<br>FMOL        | MCHC<br>MMOL/L      | PLT<br>GIGA/L      |
|-----------|---------------------------|--------------------|--------------------|----------------------|---------------------|--------------------|---------------------|--------------------|
| 0 MG/KG   | M 0.52<br>SD 1.24<br>N 15 | 5.33<br>0.31<br>15 | 7.68<br>0.41<br>15 | 0.396<br>0.027<br>15 | 74.23<br>1.40<br>15 | 1.44<br>0.04<br>15 | 19.40<br>0.34<br>15 | 460<br>65<br>15    |
| 50 MG/KG  | M 0.26<br>SD 0.98<br>N 15 | 5.30<br>0.30<br>15 | 7.75<br>0.39<br>15 | 0.400<br>0.019<br>15 | 75.39<br>2.58<br>15 | 1.46<br>0.06<br>15 | 19.38<br>0.38<br>15 | 321**<br>100<br>15 |
| 200 MG/KG | M 0.48<br>SD 1.73<br>N 14 | 5.22<br>0.33<br>14 | 7.55<br>0.36<br>14 | 0.393<br>0.020<br>14 | 75.20<br>2.40<br>14 | 1.45<br>0.05<br>14 | 19.24<br>0.27<br>14 | 324**<br>82<br>14  |
| 800 MG/KG | M 7.57<br>SD 0.00<br>N 1  | 4.72<br>0.00<br>1  | 7.48<br>0.00<br>1  | 0.380<br>0.000<br>1  | 80.30<br>0.00<br>1  | 1.58<br>0.00<br>1  | 19.71<br>0.00<br>1  | 452<br>0<br>1      |

Statistics: Anova y Dunnett's tests (two-tailed); \* P<0.05 \*\* P<0.01 (Statistical units = Animals)

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TABLE 014

6 NOV 80

BASF TOXICOLOGY PROJECT NUMBER 380375/88062 Rev. No. 03 258

GROUP MEANS DIFFERENTIAL BLOOD COUNT

Number days in study 28 P.A.

F E M A L E S

| GROUP                | MBC<br>GIG/L              | EOS<br>%           | BASED<br>%         | BAND<br>%          | POLY<br>%            | LMP<br>%             | MONO<br>%          |
|----------------------|---------------------------|--------------------|--------------------|--------------------|----------------------|----------------------|--------------------|
| GROUP 0<br>0 mg/kg   | M 6.92<br>SD 1.26<br>N 15 | 0.67<br>0.72<br>15 | 2.60<br>2.20<br>15 | 0.13<br>0.35<br>15 | 40.60<br>11.97<br>15 | 52.53<br>10.69<br>15 | 3.47<br>1.60<br>15 |
| GROUP 1<br>50 mg/kg  | M 6.26<br>SD 0.98<br>N 15 | 0.93<br>0.68<br>15 | 3.27<br>1.44<br>15 | 0.13<br>0.35<br>15 | 41.47<br>11.60<br>15 | 51.40<br>12.16<br>15 | 2.80<br>1.47<br>15 |
| GROUP 2<br>200 mg/kg | M 6.48<br>SD 1.23<br>N 14 | 0.60<br>0.76<br>14 | 2.43<br>1.65<br>14 | 0.00<br>0.00<br>14 | 38.43<br>12.77<br>14 | 54.64<br>12.59<br>14 | 4.00<br>3.01<br>14 |
| GROUP 3<br>800 mg/kg | M 7.87<br>SD 0.00<br>N 1  | 1.00<br>0.00<br>1  | 0.00<br>0.00<br>1  | 0.00<br>0.00<br>1  | 42.00<br>0.00<br>1   | 52.00<br>0.00<br>1   | 5.00<br>0.00<br>1  |

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TABLE U15

6 NOV 69

OSF TOXICOLOGY PROJECT NUMBER 30R0375/0002 Reg. No. 83 250

DIFFERENTIAL BLOOD COUNT

GROUP MEANS Nominal days in study 20 P.L.

F E M A L E S

| GROUP                | MBC<br>GIGA/L | EOS<br>GIGA/L | BAZO<br>GIGA/L | BAND<br>GIGA/L | POLY<br>GIGA/L | LYMP<br>GIGA/L | MONO<br>GIGA/L |
|----------------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|
| GROUP 0<br>0 mg/kg   | M<br>0.52     | 0.04          | 0.16           | 0.01           | 2.72           | 3.35           | 0.23           |
|                      | SD<br>1.24    | 0.06          | 0.13           | 0.03           | 1.38           | 0.67           | 0.12           |
|                      | M<br>15       | 15            | 15             | 15             | 15             | 15             | 15             |
| GROUP 1<br>50 mg/kg  | M<br>0.76     | 0.06          | 0.20           | 0.01           | 2.62           | 3.18           | 0.17           |
|                      | SD<br>0.89    | 0.06          | 0.09           | 0.02           | 0.99           | 0.77           | 0.09           |
|                      | M<br>15       | 15            | 15             | 15             | 15             | 15             | 15             |
| GROUP 2<br>200 mg/kg | M<br>0.48     | 0.03          | 0.16           | 0.00           | 2.48           | 3.59           | 0.23           |
|                      | SD<br>1.73    | 0.05          | 0.10           | 0.00           | 1.12           | 1.51           | 0.17           |
|                      | M<br>14       | 14            | 14             | 14             | 14             | 14             | 14             |
| GROUP 3<br>800 mg/kg | M<br>7.57     | 0.08          | 0.00           | 0.00           | 3.18           | 3.94           | 0.38           |
|                      | SD<br>0.80    | 0.00          | 0.00           | 0.00           | 0.00           | 0.00           | 0.00           |
|                      | M<br>1        | 1             | 1              | 1              | 1              | 1              | 1              |

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TABLE 0176

BASF TOXICOLOGY - DATATON MC.2  
PROJECT NUMBER 380375/0002  
REG. NO. 83 258

PRINT DATE 6 NOV 89

RETICULOCYTES

GROUP MEANS

Nominal days in study 28 P.I.

F E M A L E S RETI  
0/00

GROUP 0

0 MG/KG M 16

SD 5

N 15

GROUP 1

50 MG/KG M 16

SD 5

N 15

GROUP 2

200 MG/KG M 17

SD 6

N 14

GROUP 3

800 MG/KG M 07\*\*

SD 0

N 1

Statistical: Anova - Dunnett's tests (two-sided); \* P<0.05 \*\* P<0.01

(Statistical unit = Animal)

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Tab. 017

NASD Department of Toxicology

REG. NO. 03 250. PRENATAL TOX. STUDY.  
 ADMINISTRATION BY GAVAGE IN RABBITS  
 ABSOLUTE WEIGHTS - MEAN VALUES

3880315/88UB1  
 NOV/03/1989 MOPE  
 ALONAL ANALISE  
 pag:001

|                | Sacrifice Group |            | F1      | F       | 1        | 2      | 3 |
|----------------|-----------------|------------|---------|---------|----------|--------|---|
|                | Q255 ACBUB      | Q255 ACBUB |         |         |          |        |   |
| Body weight    | M               | M          | 2958.4  | 2092.6  | 3025.643 | 2717.  |   |
|                | SD              | SD         | 180.885 | 191.036 | 141.354  |        |   |
| Liver          | M               | M          | 83.540  | 87.805  | 81.458** | 144.31 |   |
|                | SD              | SD         | 7.414   | 8.143   | 14.835   |        |   |
| Adrenal glands | M               | M          | 0.202   | 0.214   | 0.226*   | 0.26   |   |
|                | SD              | SD         | 0.030   | 0.033   | 0.04     |        |   |
|                | M               | M          | 15      | 15      | 14       | 14     |   |

Dunnnett test  
 \* P < 0.05 \*\* P < 0.01  
 the sided (statistical unit = animal)

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Tab. 018

NASD Department of Toxicology

REG. NO. 03 250 - PRENATAL TOX. STUDY.  
 ADMINISTRATION BY GAVAGE IN RABBITS  
 RELATIVE WEIGHTS - MEAN VALUES

JHR0325/88062  
 NOV/03/1988 MOPE  
 FEDERAL REGISTER  
 p.01:007

| Organ          | Sacrifice group |    | F1    | P | 100 | 1 | 100 | 2 | 100 | 3 |
|----------------|-----------------|----|-------|---|-----|---|-----|---|-----|---|
|                | N               | SD |       |   |     |   |     |   |     |   |
| Body weight    | 15              | 15 | 0     | 0 | 100 | 1 | 100 | 2 | 100 | 3 |
| Liver          | 15              | 15 | 0.01  | 0 | 100 | 1 | 100 | 2 | 100 | 3 |
| Adrenal glands | 15              | 15 | 0.007 | 0 | 100 | 1 | 100 | 2 | 100 | 3 |

Bunnett test  
 P < 0.05 vs P < 0.01  
 two sided (statistical unit = animal)

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11-DEC-88

88887

PROJECT NO. 3880375/88882: PRENATAL TOXICITY STUDY IN RABBITS

TABLE : 019

ORAL ADMINISTRATION (GAVAGE)

SUMMARY OF MATERNAL NECROPSY OBSERVATIONS

| DAMS EXAMINED                   | TEST GROUP 0<br>CONTROL CMC |       | TEST GROUP 1<br>50 MG/KG BW/DAY |       | TEST GROUP 2<br>200 MG/KG BW/DAY |       | TEST GROUP 3<br>800 MG/KG BW/DAY |       |
|---------------------------------|-----------------------------|-------|---------------------------------|-------|----------------------------------|-------|----------------------------------|-------|
|                                 | 16                          | 15    | 15                              | 15    | 15                               | 15    | 15                               | 15    |
| NOTHING ABNORMAL DETECTED       | M                           | 100.0 | M                               | 100.0 | M                                | 100.0 | M                                | 100.0 |
| POST MORTEM AUTOLYSIS           | M                           | 0.0   | M                               | 0.0   | M                                | 0.0   | M                                | 0.0   |
| ANEMIA                          | M                           | 0.0   | M                               | 0.0   | M                                | 0.0   | M                                | 0.0   |
| HEART; DILATION                 | M                           | 0.0   | M                               | 0.0   | M                                | 0.0   | M                                | 0.0   |
| HEART; DISCOLORATION            | M                           | 0.0   | M                               | 0.0   | M                                | 0.0   | M                                | 0.0   |
| LUNGS; OEDEMA                   | M                           | 0.0   | M                               | 0.0   | M                                | 0.0   | M                                | 0.0   |
| LIVER; NECROSIS                 | M                           | 0.0   | M                               | 0.0   | M                                | 0.0   | M                                | 0.0   |
| LIVER; FOCUS                    | M                           | 0.0   | M                               | 0.0   | M                                | 0.0   | M                                | 0.0   |
| LIVER; PROMINENT ACINAR PATTERN | M                           | 0.0   | M                               | 0.0   | M                                | 0.0   | M                                | 0.0   |
| GLANDULAR STOMACH; ULCER        | M                           | 0.0   | M                               | 0.0   | M                                | 0.0   | M                                | 0.0   |
| GLANDULAR STOMACH; FOCUS        | M                           | 0.0   | M                               | 0.0   | M                                | 0.0   | M                                | 0.0   |
| KIDNEYS; DISCOLORATION          | M                           | 0.0   | M                               | 0.0   | M                                | 0.0   | M                                | 0.0   |
| CECUM; DYSENTERIA               | M                           | 0.0   | M                               | 0.0   | M                                | 0.0   | M                                | 0.0   |

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11-DEC-82

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TABLE : 020

PROJECT NO. 3080370/00067, PRENATAL TOXICITY STUDY IN RABBITS

ORAL ADMINISTRATION (GAVALE)

SUMMARY OF MATERNAL NECROPSY OBSERVATIONS

|  | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>50 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|--|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
|  | 15                          | 15                              | 15                               | 15                               |
| DAMS EXAMINED  | N                           | 15                              | 15                               | 15                               |
| PARTICULAR FIND. ON IMPLANTS IN DAMS SACR. MORIB./DIED INTERC. | N                           | 0                               | 0                                | 1                                |
|  |                             | 0.0                             | 0.0                              | 6.7                              |
| PARTICULAR FINDINGS ON IMPLANTS IN DAMS WHICH ABORTED          | N                           | 0                               | 1                                | 12                               |
|  |                             | 0.0                             | 6.7                              | 80.0                             |

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11-DEC-88

88082

PROJECT NO. 3880375/88082; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF REPRODUCTION DATA

TABLE 1 021

|                           | TEST GROUP 0<br>CONTROL CMC |   | TEST GROUP 1<br>50 MG/KG BW/DAY |   | TEST GROUP 2<br>200 MG/KG BW/DAY |   | TEST GROUP 3<br>800 MG/KG BW/DAY |   |
|---------------------------|-----------------------------|---|---------------------------------|---|----------------------------------|---|----------------------------------|---|
|                           | N                           | % | N                               | % | N                                | % | N                                | % |
| Females Mated             | 15                          |   | 15                              |   | 15                               |   | 15                               |   |
| Pregnant                  | 15                          |   | 15                              |   | 15                               |   | 14                               |   |
|                           | 100                         |   | 100                             |   | 100                              |   | 93                               |   |
| Aborted                   | 0                           |   | 0                               |   | 1                                |   | 12                               |   |
| Premature - Irthas        | 0                           |   | 0                               |   | 0                                |   | 0                                |   |
| Does with Viable Fetuses  | 15                          |   | 15                              |   | 14                               |   | 1                                |   |
| Does with all Resorptions | 0                           |   | 0                               |   | 0                                |   | 0                                |   |
| Foetal Mortality          | 0                           |   | 0                               |   | 1                                |   | 13b                              |   |
|                           | 0.0                         |   | 0.0                             |   | 6.7                              |   | 87                               |   |
| Pregnant at C-section     | 15                          |   | 15                              |   | 14                               |   | 1b                               |   |
|                           | 100                         |   | 100                             |   | 93                               |   | 6.7                              |   |
| Corpora lutea             | 7.8                         |   | 6.1                             |   | 6.4                              |   | 7.0                              |   |
| MEAN                      | 1.41                        |   | 1.22                            |   | 1.28                             |   | 0.00                             |   |
| S.D.                      | 112                         |   | 121                             |   | 118                              |   | 7                                |   |
| TOTAL                     | 6.7                         |   | 6.7                             |   | 7.1                              |   | 7.0                              |   |
| Implantation Sites        | 1.44                        |   | 1.78                            |   | 2.02                             |   | 0.00                             |   |
| MEAN                      | 101                         |   | 101                             |   | 98                               |   | 7                                |   |
| S.D.                      | 6.8                         |   | 17.1                            |   | 18.4                             |   | 0.0                              |   |
| TOTAL                     | 14.72                       |   | 14.66                           |   | 21.77                            |   | 0.00                             |   |
| Preimplantation Loss      | 4.9                         |   | 6.1                             |   | 8.9                              |   | 42.8a                            |   |
| MEAN                      | 7.42                        |   | 10.73                           |   | 19.12                            |   | 0.00                             |   |
| S.D.                      |                             |   |                                 |   |                                  |   |                                  |   |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a - P<0.05, b - P<0.01.

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TABLE 1 017

PROJECT NO. 3800370/80067, PRENATAL TOXICITY STUDY IN RABBITS  
ORAL ADMINISTRATION (GAVAGE)  
SUMMARY OF REPRODUCTION DATA

|                       | N | TEST GROUP 0<br>CONTROL CMC |      | TEST GROUP 1<br>50 MG/KG BW/DAY |       | TEST GROUP 2<br>200 MG/KG BW/DAY |  | TEST GROUP 3<br>800 MG/KG BW/DAY |  |
|-----------------------|---|-----------------------------|------|---------------------------------|-------|----------------------------------|--|----------------------------------|--|
|                       |   | 15                          | 15   | 15                              | 14    | 1                                |  |                                  |  |
| Pregnant at C-section |   |                             |      |                                 |       |                                  |  |                                  |  |
| Resorptions: Total    |   | MEAN<br>0.3                 | 0.3  | 0.5                             | 0.4   | 3.00                             |  |                                  |  |
|                       |   | S.D.<br>0.40                | 0.40 | 0.63                            | 0.63  | 0.00                             |  |                                  |  |
|                       |   | TOTAL<br>5                  | 5    | 7                               | 5     | 3                                |  |                                  |  |
|                       |   | MEANS<br>4.9                | 4.9  | 6.1                             | 6.9   | 47.90                            |  |                                  |  |
|                       |   | S.D.<br>7.42                | 7.42 | 10.73                           | 10.12 | 0.00                             |  |                                  |  |
| Early                 |   | MEAN<br>0.1                 | 0.1  | 0.3                             | 0.2   | 3.00                             |  |                                  |  |
|                       |   | S.D.<br>0.35                | 0.35 | 0.40                            | 0.50  | 0.00                             |  |                                  |  |
|                       |   | TOTAL<br>2                  | 2    | 4                               | 3     | 3                                |  |                                  |  |
|                       |   | MEANS<br>2.1                | 2.1  | 3.0                             | 7.1   | 42.90                            |  |                                  |  |
|                       |   | S.D.<br>5.73                | 5.73 | 6.65                            | 10.30 | 0.00                             |  |                                  |  |
| Late                  |   | MEAN<br>0.2                 | 0.2  | 0.2                             | 0.1   | 0.0                              |  |                                  |  |
|                       |   | S.D.<br>0.41                | 0.41 | 0.56                            | 0.36  | 0.00                             |  |                                  |  |
|                       |   | TOTAL<br>3                  | 3    | 3                               | 2     | 0                                |  |                                  |  |
|                       |   | MEANS<br>2.0                | 2.0  | 2.3                             | 1.0   | 0.0                              |  |                                  |  |
|                       |   | S.D.<br>5.00                | 5.00 | 6.71                            | 4.54  | 0.00                             |  |                                  |  |
| Dead Fetuses          |   |                             |      |                                 |       |                                  |  |                                  |  |
|                       | N | 0                           | 0    | 0                               | 0     | 0                                |  |                                  |  |

.....  
SIGNIFICANTLY DIFFERENT FROM CONTROL. \* = P<0.05; \*\* = P<0.01.

11-DEC-68  
80062

PROJECT NO. J880375/88062: PRENATAL TOXICITY STUDY IN RABBITS  
ORAL ADMINISTRATION (GAVAGE)  
SUMMARY OF REPRODUCTION DATA

TABLE 023

| Data with Viable Fetuses | N     | TEST GROUP 0<br>CONTROL CMC |       | TEST GROUP 1<br>50 MG/KG BW/DAY |       | TEST GROUP 2<br>200 MG/KG BW/DAY |   | TEST GROUP 3<br>800 MG/KG BW/DAY |  |
|--------------------------|-------|-----------------------------|-------|---------------------------------|-------|----------------------------------|---|----------------------------------|--|
|                          |       | 15                          | 15    | 15                              | 14    | 14                               | 1 |                                  |  |
| Live Fetuses             | MEAN  | 6.4                         | 6.3   | 6.7                             | 6.7   | 4.0                              |   |                                  |  |
|                          | S.D.  | 1.40                        | 1.67  | 2.46                            | 2.46  | 0.00                             |   |                                  |  |
|                          | TOTAL | 96                          | 94    | 94                              | 94    | 4                                |   |                                  |  |
|                          | MEANS | 95.1                        | 93.9  | 91.1                            | 91.1  | 57.1*                            |   |                                  |  |
|                          | S.D.  | 7.42                        | 10.73 | 18.12                           | 18.12 | 0.00                             |   |                                  |  |
| Females                  | MEAN  | 3.0                         | 3.0   | 3.4                             | 3.4   | 3.0                              |   |                                  |  |
|                          | S.D.  | 1.41                        | 1.20  | 2.21                            | 2.21  | 0.00                             |   |                                  |  |
|                          | TOTAL | 98                          | 48    | 48                              | 48    | 3                                |   |                                  |  |
|                          | MEANS | 97.6                        | 48.2  | 44.4                            | 44.4  | 47.9                             |   |                                  |  |
|                          | S.D.  | 18.77                       | 20.78 | 28.16                           | 28.16 | 0.00                             |   |                                  |  |
| Males                    | MEAN  | 2.8                         | 3.3   | 3.3                             | 3.3   | 1.0                              |   |                                  |  |
|                          | S.D.  | 1.38                        | 1.62  | 1.68                            | 1.68  | 0.00                             |   |                                  |  |
|                          | TOTAL | 38                          | 46    | 46                              | 46    | 1                                |   |                                  |  |
|                          | MEANS | 37.9                        | 47.6  | 48.7                            | 48.7  | 14.3                             |   |                                  |  |
|                          | S.D.  | 16.02                       | 21.38 | 20.62                           | 20.62 | 0.00                             |   |                                  |  |
| PER CENT LIVE FEMALES    |       | 80.4                        | 47.9  | 51.1                            | 51.1  | 75.0                             |   |                                  |  |
| PER CENT LIVE MALES      |       | 39.6                        | 52.1  | 48.9                            | 48.9  | 25.0                             |   |                                  |  |

\* SIGNIFICANTLY DIFFERENT FROM CONTROL, \* P < 0.05; \*\* P < 0.01.

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11-DEC-80

8082

PROJECT NO. 300370/80062, PRENATAL TOXICITY STUDY IN HABBITS

TABLE 1

024

ORAL ADMINISTRATION (CAVAGE)  
MEAN PLACENTAL AND FETAL BODY WEIGHTS

TEST GROUP 0 80 MG/KG BW/DAY TEST GROUP 1 200 MG/KG BW/DAY TEST GROUP 2 400 MG/KG BW/DAY TEST GROUP 3 800 MG/KG BW/DAY

PLACENTAL WEIGHTS UNITS: GRAMS

|                       | TEST GROUP 0<br>CONTROL (M) | TEST GROUP 1<br>80 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|-----------------------|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| of all Viable Fetuses | MEAN<br>S.D.<br>N           | 4.7<br>0.84<br>15               | 4.8<br>0.46<br>15                | 4.9<br>1.23<br>14                |
| of Male Fetuses       | MEAN<br>S.D.<br>N           | 4.6<br>0.70<br>15               | 4.6<br>0.61<br>15                | 5.0<br>1.23<br>14                |
| of Female Fetuses     | MEAN<br>S.D.<br>N           | 4.7<br>0.85<br>15               | 4.8<br>0.31<br>14                | 4.4<br>0.52<br>12                |

FETAL WEIGHTS UNITS: GRAMS

|                       | TEST GROUP 0<br>CONTROL (M) | TEST GROUP 1<br>80 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|-----------------------|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| of all Viable Fetuses | MEAN<br>S.D.<br>N           | 40.9<br>2.58<br>15              | 43.7<br>2.21<br>15               | 42.6<br>5.52<br>14               |
| of Male Fetuses       | MEAN<br>S.D.<br>N           | 41.1<br>3.94<br>15              | 43.8<br>3.04<br>15               | 42.7<br>5.59<br>14               |
| of Female Fetuses     | MEAN<br>S.D.<br>N           | 40.7<br>2.30<br>15              | 44.0<br>1.90<br>14               | 40.6<br>3.08<br>12               |

SIGNIFICANTLY DIFFERENT FROM CONTROL, a = P<0.05, b = P<0.01.

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TABLE 1 025

PROJECT NO. JBR0375/00062: PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF ALL CLASSIFIED FETAL EXTERNAL OBSERVATIONS

|                            | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>50 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|----------------------------|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| Litters Evaluated          | 15                          | 15                              | 14                               | 1                                |
| Fetuses Evaluated          | 06                          | 04                              | 04                               | 4                                |
| Live                       | 06                          | 04                              | 04                               | 4                                |
| Dead                       | 0                           | 0                               | 0                                | 0                                |
| <b>TOTAL MALFORMATIONS</b> |                             |                                 |                                  |                                  |
| Fetal Incidence            | 1.0                         | 0.0                             | 0.0                              | 0.0                              |
| Litter Incidence           | 0.7                         | 0.0                             | 0.0                              | 0.0                              |
| Affected Fetuses/Litter    | 1.7                         | 0.0                             | 0.0                              | 0.0                              |
| MEANS                      | 0.46                        | 0.00                            | 0.00                             | 0.00                             |
| S.D.                       |                             |                                 |                                  |                                  |
| <b>TOTAL VARIATIONS</b>    |                             |                                 |                                  |                                  |
| Fetal Incidence            | 1.0                         | 1.1                             | 0.0                              | 0.0                              |
| Litter Incidence           | 0.7                         | 0.7                             | 0.0                              | 0.0                              |
| Affected Fetuses/Litter    | 0.8                         | 0.7                             | 0.0                              | 0.0                              |
| MEANS                      | 3.23                        | 2.88                            | 0.00                             | 0.00                             |
| S.D.                       |                             |                                 |                                  |                                  |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a • P<0.05; b • P<0.01.

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88082

PROJECT NO. JBR0376/88062; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF PATAL EXTERNAL MALFORMATIONS

TABLE 1 0/8

|   | SUMMARY OF PATAL EXTERNAL MALFORMATIONS |                                 |                                  |                                  |
|---|---|---------------------------------|----------------------------------|----------------------------------|
|   | TEST GROUP 0<br>CONTROL CMC             | TEST GROUP 1<br>50 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
| Litters Evaluated                         | 15                                      | 18                              | 14                               | 1                                |
| Pupae Evaluated                           | 96                                      | 94                              | 94                               | 4                                |
| Live                                      | 88                                      | 84                              | 84                               | 4                                |
| Dead                                      | 0                                       | 0                               | 0                                | 0                                |
| <b>OLIGODACTILY</b>                       |   |                                 |                                  |                                  |
| Patal Incidence                           | 1                                       | 0                               | 0                                | 0                                |
| Litter Incidence                          | 1.0                                     | 0.0                             | 0.0                              | 0.0                              |
| <b>TOTAL PATAL EXTERNAL MALFORMATIONS</b> |   |                                 |                                  |                                  |
| Patal Incidence                           | 6.7                                     | 0.0                             | 0.0                              | 0.0                              |
| Litter Incidence                          | 1                                       | 0                               | 0                                | 0                                |
|   | 1.0                                     | 0.0                             | 0.0                              | 0.0                              |
|   | 6.7                                     | 0.0                             | 0.0                              | 0.0                              |

SIGNIFICANTLY DIFFERENT FROM CONTROL, a = P<0.05, b = P<0.01.

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PROJECT NO. 3880375/00067: PRENATAL TOXICITY STUDY IN RABBITS

TABLE

027

ORAL ADMINISTRATION (GAVAGE)  
SUMMARY OF FETAL EXTERNAL VARIATIONS

|  | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>50 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|--|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| Litters Evaluated                                  | 15                          | 15                              | 14                               | 1                                |
| Postures Evaluated                                 | 96                          | 94                              | 94                               | 4                                |
| Live   | 96                          | 94                              | 94                               | 4                                |
| Dead   | 0                           | 0                               | 0                                | 0                                |
| PSEUDOANHYLOSIS (PORELIING)<br>Fetal Incidence     | 1                           | 1                               | 0                                | 0                                |
| Litter Incidence                                   | 1.0                         | 1.1                             | 0.0                              | 0.0                              |
|  | 6.7                         | 6.7                             | 0.0                              | 0.0                              |
| TOTAL FETAL EXTERNAL VARIATIONS<br>Fetal Incidence | 1                           | 1                               | 0                                | 0                                |
| Litter Incidence                                   | 1.0                         | 1.1                             | 0.0                              | 0.0                              |
|  | 6.7                         | 6.7                             | 0.0                              | 0.0                              |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05; b = P<0.01.

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88062

PROJECT NO. 380375/88062: PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF FETAL EXTERNAL UNCLASSIFIED OBSERVATIONS

TABLE : 028

|   | 1877 GROUP H<br>CONTROL CML | 1877 GROUP I<br>50 MG/KG BW/DAY | 1877 GROUP 4<br>200 MG/KG BW/DAY | 1877 GROUP 3<br>800 MG/KG BW/DAY |
|---|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| Litters Evaluated                                     | 15                          | 15                              | 14                               | 1                                |
| Live  | 06                          | 04                              | 04                               | 4                                |
| Dead  | 06                          | 04                              | 04                               | 4                                |
| <b>TOTAL FETAL EXTERNAL UNCLASSIFIED OBSERVATIONS</b> |                             |                                 |                                  |                                  |
| Fetal Incidence                                       | 0                           | 0                               | 0                                | 0                                |
| Litter Incidence                                      | 0.0                         | 0.0                             | 0.0                              | 0.0                              |
|   | 0                           | 0                               | 0                                | 0                                |
|   | 0.0                         | 0.0                             | 0.0                              | 0.0                              |
|   | 0                           | 0                               | 0                                | 0                                |
|   | 0.0                         | 0.0                             | 0.0                              | 0.0                              |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05, b = P<0.01.

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88082

PROJECT NO. 380375/88082: PRENATAL TOXICITY STUDY IN RABBITS  
 SUMMARY OF ALL CLASSIFIED FETAL SOFT TISSUE OBSERVATIONS

TABLE : 029

|                            | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>50 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|----------------------------|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| Litters Evaluated          | 15                          | 14                              | 14                               | 1                                |
| Fetuses Evaluated          | 96                          | 94                              | 94                               | 4                                |
| Live                       | 96                          | 94                              | 94                               | 4                                |
| Dead                       | 0                           | 0                               | 0                                | 0                                |
| <b>TOTAL MALFORMATIONS</b> |                             |                                 |                                  |                                  |
| Total Incidence            | 1.0                         | 3.2                             | 1.1                              | 0.0                              |
| Litter Incidence           | 0.7                         | 20.0                            | 7.1                              | 0.0                              |
| Affected Fetuses/Litter    | MEANS<br>1.1                | MEANS<br>3.5                    | MEANS<br>0.9                     | MEANS<br>0.0                     |
|                            | S.D.<br>4.30                | S.D.<br>7.43                    | S.D.<br>3.34                     | S.D.<br>0.00                     |
| <b>TOTAL VARIATIONS</b>    |                             |                                 |                                  |                                  |
| Total Incidence            | 33                          | 24                              | 26                               | 1                                |
|                            | 34.4                        | 26.5                            | 27.7                             | 25.0                             |
| Litter Incidence           | 14                          | 11                              | 11                               | 1                                |
|                            | 93.5                        | 73.3                            | 78.6                             | 100.0                            |
| Affected Fetuses/Litter    | MEANS<br>36.0               | MEANS<br>26.3                   | MEANS<br>31.0                    | MEANS<br>25.0                    |
|                            | S.D.<br>26.08               | S.D.<br>21.81                   | S.D.<br>27.32                    | S.D.<br>0.00                     |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a = p<0.05; b = p<0.01.

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11-DEC-88 08002 PROJECT NO. 380375/88062: PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF FETAL SOFT TISSUE MALFORMATIONS

TABLE 030

|  | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>90 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|--|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| Litters Evaluated                            | 18                          | 18                              | 14                               | 1                                |
| Fetuses Evaluated                            | 66                          | 94                              | 94                               | 4                                |
| Live   | 66                          | 94                              | 94                               | 4                                |
| Dead   | 0                           | 0                               | 0                                | 0                                |
| <b>TRUNCUS ARTERIOSUS COMMUNIS</b>           |                             |                                 |                                  |                                  |
| Fetal Incidence                              | 0.0                         | 1.1                             | 0.0                              | 0.0                              |
| Litter Incidence                             | 0.0                         | 6.7                             | 0.0                              | 0.0                              |
| <b>HERNIA DIAPHRAGMATICA</b>                 |                             |                                 |                                  |                                  |
| Fetal Incidence                              | 0.0                         | 1.1                             | 0.0                              | 0.0                              |
| Litter Incidence                             | 0.0                         | 6.7                             | 0.0                              | 0.0                              |
| <b>AGENESIA OF SPLEEN</b>                    |                             |                                 |                                  |                                  |
| Fetal Incidence                              | 0.0                         | 1.1                             | 0.0                              | 0.0                              |
| Litter Incidence                             | 0.0                         | 6.7                             | 0.0                              | 0.0                              |
| <b>AGENESIA OF GALLBLADDER</b>               |                             |                                 |                                  |                                  |
| Fetal Incidence                              | 1.0                         | 1.1                             | 1.1                              | 0.0                              |
| Litter Incidence                             | 6.7                         | 6.7                             | 7.1                              | 0.0                              |
| <b>TOTAL FETAL SOFT TISSUE MALFORMATIONS</b> |                             |                                 |                                  |                                  |
| Fetal Incidence                              | 1.0                         | 3.3                             | 1.1                              | 0.0                              |
| Litter Incidence                             | 6.7                         | 20.0                            | 7.1                              | 0.0                              |

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 SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P < 0.05; b = P < 0.01.

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TABLE 1 031

PROJECT NO. 3080375/80082, PRENATAL TOXICITY STUDY IN RABBITS

ORAL ADMINISTRATION (GAVAGE)

SUMMARY OF FETAL SOFT TISSUE VARIATIONS

|  | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>50 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|--|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| Litters Evaluated  | 15                          | 15                              | 14                               | 1                                |
| Fetuses Evaluated  | 88                          | 84                              | 84                               | 4                                |
| Live   | 88                          | 84                              | 84                               | 4                                |
| Dead   | 0                           | 0                               | 0                                | 0                                |
| <b>SEPARATED ORIGIN OF CAROTIDS</b>                                  |                             |                                 |                                  |                                  |
| Fetal Incidence  | 21                          | 14                              | 25                               | 0                                |
| Litter Incidence   | 21.0                        | 14.8                            | 28.6                             | 0.0                              |
|  | 73.3                        | 53.3                            | 78.6                             | 0.0                              |
| <b>HEART: TRACES OF INTERVENTRICULAR FORAMEN/SEPTUM MEMBRANECEUM</b> |                             |                                 |                                  |                                  |
| Fetal Incidence  | 13                          | 8                               | 20                               | 1                                |
| Litter Incidence   | 13.8                        | 6.4                             | 21.1                             | 25.0                             |
|  | 48.7                        | 28.7                            | 14.3                             | 100.0                            |
| <b>HYPOPLASIA OF GALLBLADDER</b>                                     |                             |                                 |                                  |                                  |
| Fetal Incidence  | 0                           | 3                               | 0                                | 0                                |
| Litter Incidence   | 0.0                         | 3.2                             | 0.0                              | 0.0                              |
|  | 0.0                         | 13.3                            | 0.0                              | 0.0                              |
| <b>DILATED RENAL PELVIS</b>  |                             |                                 |                                  |                                  |
| Fetal Incidence  | 1                           | 1                               | 0                                | 0                                |
| Litter Incidence   | 1.0                         | 1.1                             | 0.0                              | 0.0                              |
|  | 6.7                         | 6.7                             | 0.0                              | 0.0                              |
| <b>TOTAL FETAL SOFT TISSUE VARIATIONS</b>                            |                             |                                 |                                  |                                  |
| Fetal Incidence  | 33                          | 24                              | 26                               | 1                                |
| Litter Incidence   | 34.4                        | 28.6                            | 27.7                             | 25.0                             |
|  | 14                          | 11                              | 11                               | 1                                |
|  | 83.3                        | 73.3                            | 78.6                             | 100.0                            |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05; b = P<0.01.

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TABLE : 032

PROJECT NO. 3880375/88002: PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (HAWAGE)  
 SUMMARY OF FETAL SOFT TISSUE UNCLASSIFIED OBSERVATIONS

|   | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>50 MG/MG BW/DAY | TEST GROUP 2<br>200 MG/MG BW/DAY | TEST GROUP 3<br>800 MG/MG BW/DAY |
|---|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| LIVER: UNCLASSED                                  | 14                          | 14                              | 14                               | 14                               |
| FETAL INCIDENCE                                   | 0.0                         | 0.4                             | 0.4                              | 0.0                              |
| LIVER: FOCAL NECROSIS                             | 0                           | 0                               | 1                                | 0                                |
| Fetal Incidence                                   | 0.0                         | 0.0                             | 0.1                              | 0.0                              |
| Litter Incidence                                  | 0.0                         | 0.7                             | 7.1                              | 0.0                              |
| BLOOD COAGULUM AROUND BLADDER                     | 0                           | 1                               | 4                                | 0                                |
| Fetal Incidence                                   | 0.0                         | 0.1                             | 0.3                              | 0.0                              |
| Litter Incidence                                  | 0.0                         | 0.7                             | 28.6                             | 0.0                              |
| TOTAL FETAL SOFT TISSUE UNCLASSIFIED OBSERVATIONS | 0                           | 2                               | 50                               | 0                                |
| Fetal Incidence                                   | 0.0                         | 0.1                             | 0.3                              | 0.0                              |
| Litter Incidence                                  | 0.0                         | 13.3                            | 38.7                             | 0.0                              |

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 SIGNIFICANTLY DIFFERENT FROM CONTROL: \* = P<0.05; \*\* = P<0.01.

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88062

TABLE : 033

PROJECT NO. 3880375/88062: PRENATAL TOXICITY STUDY IN RABBITS

ORAL ADMINISTRATION (GAVAGE)

SUMMARY OF ALL CLASSIFIED FETAL SKELETAL OBSERVATIONS

TEST GROUP 0 TEST GROUP 1 TEST GROUP 2 TEST GROUP 3

CONTROL CMC

50 MG/KG BW/DAY

200 MG/KG BW/DAY

800 MG/KG BW/DAY

|                   | N  | M  | S.D. | N  | M  | S.D. | N  | M  | S.D. | N  | M  | S.D. |
|-------------------|----|----|------|----|----|------|----|----|------|----|----|------|
| Litters Evaluated | 15 | 15 | 15   | 14 | 14 | 14   | 14 | 14 | 14   | 14 | 14 | 14   |
| Fetuses Evaluated | 86 | 86 | 86   | 84 | 84 | 84   | 84 | 84 | 84   | 84 | 84 | 84   |
| Live              | 86 | 86 | 86   | 84 | 84 | 84   | 84 | 84 | 84   | 84 | 84 | 84   |
| Dead              | 0  | 0  | 0    | 0  | 0  | 0    | 0  | 0  | 0    | 0  | 0  | 0    |

TOTAL MALFORMATIONS

|                         | N    | M    | S.D. | N    | M    | S.D. | N    | M    | S.D. | N    | M    | S.D. |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Fetal Incidence         | 1    | 1.0  | 1.0  | 1    | 1.1  | 1.1  | 1    | 1.1  | 1.1  | 1    | 1.1  | 1.1  |
| Litter Incidence        | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| Affected Fetuses/Litter | 1.0  | 1.0  | 1.0  | 0.8  | 0.7  | 0.7  | 0.8  | 0.7  | 0.7  | 0.7  | 0.8  | 0.8  |
| MEANS                   | 3.68 | 3.68 | 3.68 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 |
| S.D.                    |      |      |      |      |      |      |      |      |      |      |      |      |

TOTAL VARIATIONS

|                         | N   | M     | S.D.  | N   | M     | S.D.  | N   | M     | S.D.  | N   | M     | S.D.  |
|-------------------------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| Fetal Incidence         | 6   | 6.3   | 6.3   | 7   | 7.4   | 7.4   | 7   | 7.4   | 7.4   | 7   | 7.4   | 7.4   |
| Litter Incidence        | 5   | 33.3  | 33.3  | 6   | 40.8  | 40.8  | 6   | 40.8  | 40.8  | 6   | 40.8  | 40.8  |
| Affected Fetuses/Litter | 7.3 | 12.34 | 12.34 | 7.3 | 10.67 | 10.67 | 7.3 | 10.67 | 10.67 | 7.3 | 10.67 | 10.67 |
| MEANS                   |     |       |       |     |       |       |     |       |       |     |       |       |
| S.D.                    |     |       |       |     |       |       |     |       |       |     |       |       |

TOTAL RETARDATIONS

|                         | N    | M     | S.D.  | N    | M     | S.D.  | N    | M     | S.D.  | N    | M     | S.D.  |
|-------------------------|------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|
| Fetal Incidence         | 56   | 58.3  | 58.3  | 54   | 57.4  | 57.4  | 56   | 58.3  | 58.3  | 56   | 58.3  | 58.3  |
| Litter Incidence        | 14   | 93.3  | 93.3  | 15   | 100.0 | 100.0 | 14   | 93.3  | 93.3  | 14   | 93.3  | 93.3  |
| Affected Fetuses/Litter | 57.8 | 27.16 | 27.16 | 57.3 | 27.88 | 27.88 | 57.3 | 27.88 | 27.88 | 57.3 | 27.88 | 27.88 |
| MEANS                   |      |       |       |      |       |       |      |       |       |      |       |       |
| S.D.                    |      |       |       |      |       |       |      |       |       |      |       |       |

SIGNIFICANTLY DIFFERENT FROM CONTROL; a = P<0.05; b = P<0.01

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TABLE 1 034

PROJECT NO. 3880375/88062; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)

SUMMARY OF FETAL SKELETAL MALFORMATIONS

|   | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>50 MG/KG BW/DAY | TEST GROUP 2<br>700 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|---|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| Litters Evaluated                         | 18                          | 18                              | 14                               | 1                                |
| Fetuses Evaluated                         | 98                          | 94                              | 94                               | 4                                |
| Live                                      | 94                          | 94                              | 94                               | 4                                |
| Dead                                      | 0                           | 0                               | 0                                | 0                                |
| <b>THORACIC VERTEBRA ABSENT</b>           |                             |                                 |                                  |                                  |
| Fetal Incidence                           | 0                           | 0                               | 1.1                              | 0                                |
| Litter Incidence                          | 0.0                         | 0.0                             | 7.1                              | 0.0                              |
| <b>LUMBAR VERTEBRA ABSENT</b>             |                             |                                 |                                  |                                  |
| Fetal Incidence                           | 1                           | 0                               | 0                                | 0                                |
| Litter Incidence                          | 1.0                         | 0.0                             | 0.0                              | 0.0                              |
| <b>STERNAE WITH VARIOUS MALFORMATIONS</b> |                             |                                 |                                  |                                  |
| Fetal Incidence                           | 1                           | 1.1                             | 0                                | 14                               |
| Litter Incidence                          | 0.7                         | 6.7                             | 0.0                              | 25.0                             |
| <b>MISSING</b>                            |                             |                                 |                                  |                                  |
| Fetal Incidence                           | 0                           | 0                               | 1.1                              | 0                                |
| Litter Incidence                          | 0.0                         | 0.0                             | 7.1                              | 0.0                              |
| <b>TOTAL FETAL SKELETAL MALFORMATIONS</b> |                             |                                 |                                  |                                  |
| Fetal Incidence                           | 1                           | 1.1                             | 1.1                              | 25.0                             |
| Litter Incidence                          | 0.7                         | 6.7                             | 7.1                              | 100.0                            |

SIGNIFICANTLY DIFFERENT FROM CONTROL: \* p < 0.05, \*\* p < 0.01

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TABLE

PROJECT NO. 38R0375/88062: PRENATAL TOXICITY STUDY IN RABBITS

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ORAL ADMINISTRATION (GAVAGE)

SUMMARY OF FETAL SKELETAL VARIATIONS

|  | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>50 MG/RC BW/DAY | TEST GROUP 2<br>200 MS/RC BW/DAY | TEST GROUP 3<br>803 MG/RC BW/DAY |
|--|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| Litters Evaluated                          | 15                          | 15                              | 14                               | 1                                |
| Pupuses Evaluated                          | 88                          | 84                              | 84                               | 4                                |
| Live                                       | 88                          | 84                              | 84                               | 4                                |
| Dead                                       | 0                           | 0                               | 0                                | 0                                |
| <b>SPLITTING OF SKULL BONE(S)</b>          |                             |                                 |                                  |                                  |
| Fetal Incidence                            | 0                           | 4                               | 0                                | 0                                |
| Litter Incidence                           | 0.0                         | 4.3                             | 0.0                              | 0.0                              |
|  | 0.0                         | 20.0                            | 0.0                              | 0.0                              |
| <b>SPACTAL BONE BETWEEN PARIETAL BONES</b> |                             |                                 |                                  |                                  |
| Fetal Incidence                            | 0                           | 0                               | 1                                | 0                                |
| Litter Incidence                           | 0.0                         | 0.0                             | 7.1                              | 0.0                              |
|  | 0.0                         | 0.0                             | 7.1                              | 0.0                              |
| <b>ACCESSORY THORACIC VERTEBRA</b>         |                             |                                 |                                  |                                  |
| Fetal Incidence                            | 0                           | 0                               | 1                                | 0                                |
| Litter Incidence                           | 0.0                         | 0.0                             | 7.1                              | 0.0                              |
|  | 0.0                         | 0.0                             | 7.1                              | 0.0                              |
| <b>CLAVICULA DEFORMED</b>                  |                             |                                 |                                  |                                  |
| Fetal Incidence                            | 1                           | 0                               | 0                                | 0                                |
| Litter Incidence                           | 1.0                         | 0.0                             | 0.0                              | 0.0                              |
|  | 0.7                         | 0.0                             | 0.0                              | 0.0                              |
| <b>ACCESSORY STERNBRA</b>                  |                             |                                 |                                  |                                  |
| Fetal Incidence                            | 1                           | 2                               | 0                                | 0                                |
| Litter Incidence                           | 1.0                         | 13.3                            | 0.0                              | 0.0                              |
|  | 0.7                         | 13.3                            | 0.0                              | 0.0                              |
| <b>STERNBRAE FUSED</b>                     |                             |                                 |                                  |                                  |
| Fetal Incidence                            | 2                           | 3                               | 0                                | 0                                |
| Litter Incidence                           | 2.0                         | 20.0                            | 0.0                              | 0.0                              |
|  | 1.3                         | 20.0                            | 0.0                              | 0.0                              |
| <b>STERNBRAE(S) OF IRREGULAR SHAPE</b>     |                             |                                 |                                  |                                  |
| Fetal Incidence                            | 0                           | 1                               | 1                                | 0                                |
| Litter Incidence                           | 0.0                         | 6.7                             | 7.1                              | 0.0                              |
|  | 0.0                         | 6.7                             | 7.1                              | 0.0                              |

SIGNIFICANTLY DIFFERENT FROM CONTROL; \* P<0.05; \*\* P<0.01.

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TABLE 1 036

PROJECT NO. J8R0375/88062, PRENATAL TOXICITY STUDY IN RABBITS

ORAL ADMINISTRATION (GAVAGE)  
SUMMARY OF PATAL SKELETAL VARIATIONS

|                                 | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>50 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|---------------------------------|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| Litters Evaluated               | 15                          | 15                              | 14                               | 1                                |
| Petuses Evaluated               | 88                          | 84                              | 84                               | 4                                |
| Live                            | 88                          | 84                              | 84                               | 4                                |
| Dead                            | 0                           | 0                               | 0                                | 0                                |
| ACCESSORY 13TH RIB(S)           |                             |                                 |                                  |                                  |
| Patel Incidence                 | 0                           | 0                               | 3                                | 0                                |
| Litter Incidence                | 0.0                         | 0.0                             | 3.2                              | 0.0                              |
| 13TH RIB(S) ABSENT              |                             |                                 |                                  |                                  |
| Patel Incidence                 | 0                           | 0                               | 3                                | 0                                |
| Litter Incidence                | 0.0                         | 0.0                             | 31.4                             | 0.0                              |
| 13TH RIB(S) ARSERT              |                             |                                 |                                  |                                  |
| Patel Incidence                 | 1                           | 0                               | 0                                | 0                                |
| Litter Incidence                | 6.7                         | 0.0                             | 0.0                              | 0.0                              |
| SUPPLEMENTARY CERVICAL RIB(S)   |                             |                                 |                                  |                                  |
| Patel Incidence                 | 1                           | 0                               | 0                                | 0                                |
| Litter Incidence                | 6.7                         | 0.0                             | 0.0                              | 0.0                              |
| TOTAL PATAL SKELETAL VARIATIONS |                             |                                 |                                  |                                  |
| Patel Incidence                 | 6.3                         | 7.4                             | 6.2                              | 0.0                              |
| Litter Incidence                | 33.3                        | 40.0                            | 38.7                             | 0.0                              |

----- SIGNIFICANTLY DIFFERENT FROM CONTROL. \* = P<0.05; \*\* = P<0.01.



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8002

TABLE 1 037

PROJECT NO. 3880375/8002: PRENATAL TOXICITY STUDY IN RABBITS  
ORAL ADMINISTRATION (GAVAGE)

SUMMARY OF FETAL SKELETAL RETARDATIONS

|   | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>50 MG/KG BW/DAY | TEST GROUP 2<br>200 MG/KG BW/DAY | TEST GROUP 3<br>800 MG/KG BW/DAY |
|---|-----------------------------|---------------------------------|----------------------------------|----------------------------------|
| Litters Evaluated   | 18                          | 15                              | 14                               | 1                                |
| Fetuses Evaluated   | 96                          | 84                              | 84                               | 4                                |
| Live  | 86                          | 84                              | 84                               | 4                                |
| Dead  | 0                           | 0                               | 0                                | 0                                |
| <b>SKULL INCOMPLETELY OSSIFIED</b>                          |                             |                                 |                                  |                                  |
| Fetal Incidence   | 3                           | 0                               | 4                                | 1                                |
| Litter Incidence  | 3.1                         | 0.0                             | 4.3                              | 25.0                             |
|   | 13.3                        | 0.0                             | 28.6                             | 100.0                            |
| <b>INTERPARIETAL BONE REDUCED IN SIZE</b>                   |                             |                                 |                                  |                                  |
| Fetal Incidence   | 0                           | 1                               | 0                                | 0                                |
| Litter Incidence  | 0.0                         | 1.1                             | 0.0                              | 0.0                              |
|   | 0.0                         | 6.7                             | 0.0                              | 0.0                              |
| <b>STERNUM(AE) NOT OSSIFIED</b>                             |                             |                                 |                                  |                                  |
| Fetal Incidence   | 37                          | 37                              | 33                               | 2                                |
| Litter Incidence  | 38.6                        | 38.4                            | 35.1                             | 50.0                             |
|   | 13                          | 12                              | 9                                | 1                                |
|   | 66.7                        | 80.0                            | 64.3                             | 100.0                            |
| <b>STERNUM(AE) INCOMPLETELY OSSIFIED OR REDUCED IN SIZE</b> |                             |                                 |                                  |                                  |
| Fetal Incidence   | 17                          | 16                              | 23                               | 1                                |
| Litter Incidence  | 17.3                        | 17.0                            | 24.5                             | 25.0                             |
|   | 11                          | 11                              | 12                               | 1                                |
|   | 73.3                        | 73.3                            | 85.7                             | 100.0                            |
| <b>TOTAL FETAL SKELETAL RETARDATIONS</b>                    |                             |                                 |                                  |                                  |
| Fetal Incidence   | 56                          | 54                              | 56                               | 3                                |
| Litter Incidence  | 68.3                        | 57.4                            | 59.6                             | 75.0                             |
|   | 14                          | 15                              | 14                               | 1                                |
|   | 83.3                        | 100.0                           | 100.0                            | 100.0                            |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05; b = P<0.01.

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TABLE 038

PROJECT NO. J880375/88062; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF ALL CLASSIFIED FETAL INTERNAL, SOFT TISSUE, AND SKELETAL OBSERVATIONS

TEST GROUP 0 TEST GROUP 1 TEST GROUP 2 TEST GROUP 3  
 CEMICAL CML 00 MG/80 BW/DAY 200 MG/80 BW/DAY 800 MG/80 BW/DAY

|                   | M  | N  | 4  | 14 | 1 |
|-------------------|----|----|----|----|---|
| Litters Evaluated | 15 | 15 | 15 | 14 | 4 |
| Fetuses Evaluated | 96 | 94 | 94 | 94 | 4 |
| Live              | 96 | 94 | 94 | 94 | 4 |
| Dead              | 0  | 0  | 0  | 0  | 0 |

TOTAL MALFORMATIONS

|                         | M    | N    | 4    | 2.1  | 25.0              |
|-------------------------|------|------|------|------|-------------------|
| Fetal Incidence         | 3    | 3.1  | 4.3  | 2.1  | 25.0              |
| Litter Incidence        | 3    | 20.0 | 20.0 | 14.3 | 100.0             |
| Affected Fetuses/Litter | 3.7  | 3.7  | 4.3  | 1.6  | 25.0 <sup>a</sup> |
| MEANS                   | 0.01 | 0.01 | 0.04 | 4.11 | 0.00              |
| S.D.                    |      |      |      |      |                   |

TOTAL VARIATIONS

|                         | M     | N     | 30    | 30    | 1     |
|-------------------------|-------|-------|-------|-------|-------|
| Fetal Incidence         | 37    | 38.6  | 31.6  | 31.6  | 25.0  |
| Litter Incidence        | 15    | 100.0 | 17    | 17    | 100.0 |
| Affected Fetuses/Litter | 40.6  | 26.71 | 32.6  | 37.3  | 29.0  |
| MEANS                   | 20.71 | 24.38 | 28.00 | 28.00 | 0.00  |
| S.D.                    |       |       |       |       |       |

TOTAL REABRATIONS

|                         | M     | N     | 14 <th>14 <th>1</th> </th> | 14 <th>1</th> | 1     |
|-------------------------|-------|-------|----------------------------|---------------|-------|
| Fetal Incidence         | 14    | 93.3  | 15                         | 100.0         | 100.0 |
| Litter Incidence        | 14    | 93.3  | 15                         | 100.0         | 100.0 |
| Affected Fetuses/Litter | 57.0  | 27.10 | 57.3                       | 63.2          | 75.0  |
| MEANS                   | 27.10 | 27.68 | 31.08                      | 31.08         | 0.00  |
| S.D.                    |       |       |                            |               |       |

SIGNIFICANTLY DIFFERENT FROM CONTROL; a = P<0.05; b = P<0.01

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B. SUPPLEMENTAL STUDY (Doses: 0, 400 mg/kg)

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TABLE : 001

PROJECT NO. 4080375/88077; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (CAVAGE)  
 MEAN MATERNAL FOOD CONSUMPTION DURING GESTATION -- GRAMS/ANIMAL/DAY

TEST GROUP 0 400 MG/HC BW/DAY  
 TEST GROUP 1

| DAYS 0 TO 1   | MEAN<br>S.D.<br>N    | CONTROL CMC |       | TEST GROUP 0 |       | TEST GROUP 1 |       |
|---------------|----------------------|-------------|-------|--------------|-------|--------------|-------|
|               |                      | MEAN        | S.D.  | MEAN         | S.D.  | MEAN         | S.D.  |
| DAYS 0 TO 1   | 124.7<br>17.07<br>18 | 124.7       | 17.07 | 124.7        | 17.07 | 124.7        | 17.07 |
| DAYS 1 TO 2   | 124.4<br>18.06<br>18 | 124.4       | 18.06 | 124.4        | 18.06 | 127.6        | 22.71 |
| DAYS 2 TO 3   | 124.0<br>18.02<br>18 | 124.0       | 18.02 | 124.0        | 18.02 | 117.0        | 18.03 |
| DAYS 3 TO 4   | 119.4<br>20.18<br>18 | 119.4       | 20.18 | 119.4        | 20.18 | 110.7        | 23.10 |
| DAYS 4 TO 5   | 110.1<br>17.48<br>18 | 110.1       | 17.48 | 110.1        | 17.48 | 114.4        | 18.48 |
| DAYS 5 TO 6   | 112.2<br>21.18<br>18 | 112.2       | 21.18 | 112.2        | 21.18 | 105.6        | 24.98 |
| DAYS 6 TO 7   | 109.2<br>18.84<br>18 | 109.2       | 18.84 | 109.2        | 18.84 | 105.7        | 27.28 |
| DAYS 7 TO 8   | 101.4<br>20.81<br>18 | 101.4       | 20.81 | 101.4        | 20.81 | 52.28        | 18.98 |
| DAYS 8 TO 9   | 89.0<br>23.84<br>18  | 89.0        | 23.84 | 89.0         | 23.84 | 48.88        | 21.02 |
| DAYS 9 TO 10  | 92.4<br>22.41<br>18  | 92.4        | 22.41 | 92.4         | 22.41 | 87.88        | 20.78 |
| DAYS 10 TO 11 | MI 18<br>23.84<br>18 | MI 18       | 23.84 | MI 18        | 23.84 | 87.88        | 23.88 |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a - P<0.05; b - P<0.01

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TABLE 1 002

PROJECT NO. 4080375/00077; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 MEAN MATERNAL FOOD CONSUMPTION DURING GESTATION -- GRAMS/ANIMAL/DAY

TEST GROUP 0 TEST GROUP 1  
 CONTROL CMC 400 MG/KG BW/DAY

| DAYS          | MEAN<br>S.D.<br>N   | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>400 MG/KG BW/DAY |
|---------------|---------------------|-----------------------------|----------------------------------|
| DAYS 11 TO 12 | 80.2<br>23.37<br>10 | 83.84<br>38.25<br>10        |                                  |
| DAYS 12 TO 13 | 80.1<br>18.43<br>10 | 80.86<br>42.88<br>20        |                                  |
| DAYS 13 TO 14 | 83.0<br>22.03<br>10 | 82.74<br>47.41<br>20        |                                  |
| DAYS 14 TO 15 | 79.8<br>20.28<br>10 | 80.3<br>43.01<br>20         |                                  |
| DAYS 15 TO 16 | 75.2<br>20.16<br>10 | 84.8<br>44.38<br>20         |                                  |
| DAYS 16 TO 17 | 81.8<br>23.05<br>10 | 80.8<br>43.41<br>20         |                                  |
| DAYS 17 TO 18 | 80.8<br>18.88<br>10 | 82.86<br>48.28<br>20        |                                  |
| DAYS 18 TO 19 | 87.8<br>23.88<br>10 | 85.3<br>53.07<br>10         |                                  |
| DAYS 19 TO 20 | 84.8<br>23.21<br>10 | 81.3<br>46.84<br>10         |                                  |
| DAYS 20 TO 21 | 83.1<br>23.33<br>10 | 80.1<br>48.38<br>10         |                                  |
| DAYS 21 TO 22 | 83.4<br>17.89<br>10 | 88.0<br>42.87<br>10         |                                  |

.....  
 SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05; b = P<0.01.

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TABLE 1 803

PROJECT NO. 4080378/88077; PRENATAL TOXICITY STUDY IN RABBITS  
ORAL ADMINISTRATION (GAVAGE)  
MEAN MATERNAL FOOD CONSUMPTION DURING GESTATION -- GRAMS/ANIMAL/DAY

TEST GROUP 0  
CONTROL CMC

TEST GROUP 1  
400 MG/KU BW/DAY

| DAYS          | MEAN          | S.D.  | N  | MEAN          | S.D.  | N  | MEAN  | S.D.  | N  | MEAN  | S.D.  | N  |
|---------------|---------------|-------|----|---------------|-------|----|-------|-------|----|-------|-------|----|
| DAYS 22 TO 23 | 89.7          | 19.06 | 18 | 76.2          | 48.26 | 14 | 89.7  | 19.06 | 18 | 76.2  | 48.26 | 14 |
| DAYS 23 TO 24 | 81.6          | 16.07 | 18 | 76.0          | 48.63 | 14 | 81.6  | 16.07 | 18 | 76.0  | 48.63 | 14 |
| DAYS 24 TO 25 | 108.3         | 20.03 | 18 | 83.7          | 40.85 | 13 | 108.3 | 20.03 | 18 | 83.7  | 40.85 | 13 |
| DAYS 25 TO 26 | 108.8         | 28.18 | 18 | 86.8          | 48.18 | 13 | 108.8 | 28.18 | 18 | 86.8  | 48.18 | 13 |
| DAYS 26 TO 27 | 104.2         | 18.73 | 18 | 116.0         | 44.44 | 10 | 104.2 | 18.73 | 18 | 116.0 | 44.44 | 10 |
| DAYS 27 TO 28 | 149.1         | 48.44 | 18 | 129.8         | 38.18 | 18 | 149.1 | 48.44 | 18 | 129.8 | 38.18 | 18 |
| DAYS 28 TO 29 | 103.8         | 31.38 | 18 | 124.8         | 37.88 | 18 | 103.8 | 31.38 | 18 | 124.8 | 37.88 | 18 |
| DAYS 0 TO 7   | MEAN OF MEANS | S.D.  | N  | MEAN OF MEANS | S.D.  | N  | 118.6 | 6.28  | 7  | 115.7 | 8.88  | 7  |
| DAYS 7 TO 28  | MEAN OF MEANS | S.D.  | N  | MEAN OF MEANS | S.D.  | N  | 88.3  | 8.88  | 21 | 88.88 | 21.23 | 21 |
| DAYS 0 TO 28  | MEAN OF MEANS | S.D.  | N  | MEAN OF MEANS | S.D.  | N  | 87.6  | 18.02 | 28 | 81.88 | 28.88 | 28 |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05; b = P<0.01.

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TABLE 004

PROJECT NO. 4000375/80077; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 MEAN MATERNAL BODY WEIGHTS DURING GESTATION -- GRAMS

TEST GROUP 0      TEST GROUP 1  
 CONTROL CMC      400 MG/MG CW/DAY

| DAY    | MEAN<br>S.D.<br>N   | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>400 MG/MG CW/DAY |
|--------|---------------------|-----------------------------|----------------------------------|
| DAY 0  | 2804<br>129.7<br>10 | 2878<br>116.7<br>20         |                                  |
| DAY 2  | 2808<br>144.4<br>10 | 2660<br>130.5<br>20         |                                  |
| DAY 4  | 2890<br>142.3<br>10 | 2656<br>135.2<br>20         |                                  |
| DAY 7  | 2809<br>138.8<br>10 | 2654<br>141.1<br>20         |                                  |
| DAY 9  | 2898<br>148.8<br>10 | 2630<br>130.3<br>20         |                                  |
| DAY 11 | 2843<br>160.3<br>10 | 2628<br>143.7<br>20         |                                  |
| DAY 14 | 2882<br>167.2<br>10 | 2608<br>174.8<br>20         |                                  |
| DAY 16 | 2888<br>166.0<br>10 | 2897<br>212.6<br>20         |                                  |
| DAY 18 | 2889<br>158.3<br>10 | 2807<br>180.8<br>10         |                                  |
| DAY 21 | 2676<br>141.0<br>10 | 2597<br>186.8<br>10         |                                  |
| DAY 23 | 2888<br>138.8<br>10 | 2671<br>140.4<br>14         |                                  |

--- SIGNIFICANTLY DIFFERENT FROM CONTROL; a - P<0.05; b - P<0.01.

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PROJECT NO. 4080375/80077, TABLE 1 005

PRENATAL TOXICITY STUDY IN RABBITS  
ORAL ADMINISTRATION (GAVAGE)  
MEAN MATERNAL BODY WEIGHTS DURING GESTATION -- GRAMS

|        | TEST GROUP 0      |                     | TEST GROUP 1        |                     |
|--------|-------------------|---------------------|---------------------|---------------------|
|        | CONTROL CMC       | 400 MG/5% BW/DAY    |                     |                     |
| DAY 10 | MEAN<br>S.D.<br>N | 2719<br>146.4<br>10 | 2711<br>141.1<br>10 | 2711<br>141.1<br>10 |
| DAY 20 | MEAN<br>S.D.<br>N | 2708<br>143.3<br>10 | 2679<br>143.7<br>10 | 2679<br>143.7<br>10 |
| DAY 30 | MEAN<br>S.D.<br>N | 2615<br>150.1<br>10 | 2610<br>145.0<br>10 | 2610<br>145.0<br>10 |

SIGNIFICANTLY DIFFERENT FROM CONTROL, a = P<0.05, b = P<0.01.

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TABLE 1 006

PROJECT NO. 40R0375/88077; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 MEAN MATERNAL BODY WEIGHT CHANGE DURING GESTATION -- GRAMS

TEST GROUP 0 400 MG/KG BW/DAY  
 CONTROL CMC TEST GROUP 1

| DAYS          | MEAN  | S.D.  | N  | MEAN   | S.D.  | N  |
|---------------|-------|-------|----|--------|-------|----|
| DAYS 0 TO 2   | 87.8  | 28.03 | 18 | 80.5   | 48.63 | 20 |
| DAYS 2 TO 4   | 7.8   | 26.88 | 18 | -12.7  | 38.18 | 20 |
| DAYS 4 TO 7   | 0.3   | 28.08 | 18 | -1.3   | 32.28 | 20 |
| DAYS 7 TO 9   | -4.8  | 22.17 | 18 | -15.7  | 37.71 | 20 |
| DAYS 9 TO 11  | -12.8 | 16.23 | 18 | -11.1  | 18.84 | 20 |
| DAYS 11 TO 14 | 18.8  | 20.32 | 18 | -18.88 | 64.28 | 20 |
| DAYS 14 TO 18 | 23.2  | 21.01 | 18 | -18.1  | 64.14 | 20 |
| DAYS 18 TO 21 | 4.8   | 33.81 | 18 | -12.2  | 77.38 | 18 |
| DAYS 21 TO 23 | -14.8 | 17.24 | 18 | -23.8  | 57.88 | 18 |
| DAYS 23 TO 25 | 18.4  | 18.08 | 18 | -7.8   | 84.88 | 14 |
|               | 44.7  | 28.48 | 18 | 17.7   | 88.88 | 13 |

..... SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05; b = P<0.01.

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TABLE 1 007

PROJECT NO. 4080375/0077; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 MEAN MATERNAL BODY WEIGHT CHANGE DURING GESTATION -- GRAMS

| DAYS 20 TO 30 | TEST GROUP 0 |      | TEST GROUP 1 |      |
|---------------|--------------|------|--------------|------|
|               | MEAN         | S.D. | MEAN         | S.D. |
|               | 19.11        | 10   | 19.11        | 10   |
|               | 19.4         | 10   | 20.17        | 10   |
|               | 19.00        | 10   |              |      |
|               | 19.11        | 10   | 19.11        | 10   |
|               | 19.11        | 10   | 19.11        | 10   |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a - P < 0.05; b - P < 0.01.

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TABLE 1 008

PROJECT NO. 4890375/88077; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 MEAN MATERNAL BODY WEIGHT CHANGE DURING GESTATION -- GRAMS

TEST GROUP 0 TEST GROUP 1  
 CONTROL CMC 400 MG/KG BW/DAY

| DAYS 0 TO 7  | MEAN | 76.2  | 76.4   |
|--------------|------|-------|--------|
|              | S.D. | 30.08 | 87.13  |
|              | N    | 10    | 20     |
| DAYS 7 TO 20 | MEAN | 136.6 | 140.7  |
|              | S.D. | 74.00 | 184.42 |
|              | N    | 10    | 10     |
| DAYS 0 TO 20 | MEAN | 231.2 | 220.4  |
|              | S.D. | 82.77 | 176.10 |
|              | N    | 10    | 10     |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05; b = P<0.01.

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TABLE 1 000

PROJECT NO. 4900376/00771. PRENATAL TOXICITY STUDY IN RABBITS  
ORAL ADMINISTRATION (GAVAGE)  
MEAN GRAVID UTERINE WEIGHTS AND NET MATERNAL BODY WEIGHT CHANGE -- GRAMS

|                              | TEST GROUP 0 | TEST GROUP 1     |
|------------------------------|--------------|------------------|
|                              | CONTROL CMC  | 400 MG/KG BW/DAY |
| GRAVID UTERUS                |              |                  |
| MEAN                         | 326.6        | 289.6            |
| S.D.                         | 114.08       | 167.43           |
| N                            | 10           | 10               |
| CARCASS                      |              |                  |
| MEAN                         | 2489.2       | 2550.0           |
| S.D.                         | 134.04       | 130.02           |
| N                            | 10           | 10               |
| NET WEIGHT CHANGE FROM DAY 7 |              |                  |
| MEAN                         | -171.6       | -109.1           |
| S.D.                         | 76.08        | 85.06            |
| N                            | 10           | 10               |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05; b = P<0.01.

CARCASS WEIGHT = TERMINAL BODY WEIGHT MINUS UTERINE WEIGHT  
NET WEIGHT CHANGE FROM DAY 7 = CARCASS WEIGHT MINUS DAY 7 BODY WEIGHT

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15-DEC-68

80077

TABLE 1

PROJECT NO. 40R0375/80077; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (CAGE)  
 SUMMARY OF MATERNAL CLINICAL OBSERVATIONS DURING GESTATION

|                                      | GROUP | DAY OF GESTATION |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |   |   |   |   |   |   |
|--------------------------------------|-------|------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|----|---|---|---|---|---|---|
|                                      |       | 0                | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | TOTAL |    |    |   |   |   |   |   |   |
| % OF FEMALES EXAMINED                | 0     | 20               | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20    | 20 |    |   |   |   |   |   |   |
|                                      | 1     | 20               | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20    | 20 |    |   |   |   |   |   |   |
| NORMAL                               |       | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  |    |   |   |   |   |   |   |
| NO REMARKABLE CLINICAL OBSERVATIONS  | 0     | 20               | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20    | 20 |    |   |   |   |   |   |   |
|                                      | 1     | 20               | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20    | 20 | 20 |   |   |   |   |   |   |
| DEAD                                 |       | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  |   |   |   |   |   |   |
| SACRIFICED AFTER ABORTION            | 0     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  |   |   |   |   |   |   |
|                                      | 1     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 |   |   |   |   |   |
| DIED AFTER ABORTION                  | 0     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 |   |   |   |   |   |
|                                      | 1     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 |   |   |   |   |
| MISCELLANEOUS                        |       | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 |   |   |   |   |
| ABORTION                             | 0     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 |   |   |   |   |
|                                      | 1     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 | 0 |   |   |   |
| BLOOD IN BODDING                     | 0     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 | 0 |   |   |   |
|                                      | 1     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 | 0 | 0 |   |   |
| STOOL/URINE                          |       | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 | 0 | 0 |   |   |
| REDUCED DEFECTION                    | 0     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 | 0 | 0 |   |   |
|                                      | 1     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 | 0 | 0 | 0 |   |
| NO DEFECTION                         | 0     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 | 0 | 0 | 0 |   |
|                                      | 1     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 | 0 | 0 | 0 |   |
| REDDISH-BROWN DISCOLORATION OF URINE | 0     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 | 0 | 0 | 0 |   |
|                                      | 1     | 0                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 011

BASP TOXICOLOGY - DATATON AC.2  
PROJECT NUMBER 488378/8877  
REG. NO. 83 258

HEMATOLOGICAL EXAMINATIONS  
PRINT DATE 12-OCT-88

GROUP MEANS

Nominal days in study 30 P.d.

| GROUP     | WBC<br>GIGA/L             | RBC<br>TERA/L      | HGB<br>MMOL/L      | HCT<br>L/L           | MCV<br>FL            | MCH<br>FMOL         | MCHC<br>MMOL/L      | PLT<br>GIGA/L    |
|-----------|---------------------------|--------------------|--------------------|----------------------|----------------------|---------------------|---------------------|------------------|
| 0 MG/8G   | M 6.00<br>SD 0.08<br>N 10 | 5.42<br>0.34<br>10 | 7.91<br>0.46<br>10 | 0.402<br>0.023<br>10 | 74.10<br>2.43<br>10  | 1.48<br>0.05<br>10  | 19.70<br>0.47<br>10 | 412<br>97<br>10  |
| 400 MG/8G | M 7.22<br>SD 1.03<br>N 10 | 6.18<br>0.38<br>10 | 7.76<br>0.52<br>10 | 0.384<br>0.020<br>10 | 76.40*<br>2.03<br>10 | 1.51*<br>0.06<br>10 | 19.70<br>0.40<br>10 | 473<br>134<br>10 |

Statistical: Anova + Students t-tests (two-tailed); \* P<0.05; \*\* P<0.01; \*\*\* P<0.001 (Statistical unit = Animal)

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TABLE 01:

13-OCT-69

BASE TOXICOLOGY PROJECT NUMBER 4080375/80077 Reg. Nr. 03 256 (Vincristin)

DIFFERENTIAL BLOOD COUNT

GROUP MEANS

Minimal days in study 20 P.d.

F E M A L E S

|                      | WBC<br>G/BA/L | EOS<br>% | BAZO<br>% | BAND<br>% | POLY<br>% | LYMP<br>% | MONO<br>% |
|----------------------|---------------|----------|-----------|-----------|-----------|-----------|-----------|
| GROUP 0<br>0 MG/KG   | M<br>6.00     | 0.37     | 3.00      | 0.37      | 38.78     | 55.05     | 2.42      |
|                      | SD<br>0.00    | 0.00     | 1.03      | 0.60      | 0.63      | 8.00      | 1.00      |
|                      | N<br>10       | 10       | 10        | 10        | 10        | 10        | 10        |
| GROUP 1<br>400 MG/KG | M<br>7.32     | 0.88     | 2.00      | 0.00      | 42.20     | 50.70     | 2.00      |
|                      | SD<br>1.03    | 0.78     | 1.26      | 0.00      | 0.65      | 0.60      | 1.32      |
|                      | N<br>10       | 10       | 10        | 10        | 10        | 10        | 10        |

TABLE 013

13-OCT-89

BASP TOXICOLOGY  
PROJECT NUMBER 400376/0077

REG. NR. 03 258 (Vinclozolin)

DIFFERENTIAL BLOOD COUNT

GROUP MEANS

Normal days in study 20 P.o.

F E M A L E S

| GROUP                | WBC<br>GIGA/L                      | EOS<br>GIGA/L                      | BAZO<br>GIGA/L                     | BAND<br>GIGA/L                     | POLY<br>GIGA/L                     | LYMP<br>GIGA/L                     | MONO<br>GIGA/L                     |
|----------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| GROUP 0<br>0 MG/KG   | M<br>0.88<br>SD<br>0.09<br>M<br>10 | M<br>0.03<br>SD<br>0.05<br>M<br>10 | M<br>0.10<br>SD<br>0.12<br>M<br>10 | M<br>0.02<br>SD<br>0.04<br>M<br>10 | M<br>2.53<br>SD<br>0.55<br>M<br>10 | M<br>3.06<br>SD<br>0.06<br>M<br>10 | M<br>0.16<br>SD<br>0.17<br>M<br>10 |
| GROUP 1<br>400 MG/KG | M<br>7.32<br>SD<br>1.03<br>M<br>10 | M<br>0.06<br>SD<br>0.06<br>M<br>10 | M<br>0.10<br>SD<br>0.10<br>M<br>10 | M<br>0.07<br>SD<br>0.07<br>M<br>10 | M<br>3.13<br>SD<br>0.97<br>M<br>10 | M<br>3.08<br>SD<br>0.04<br>M<br>10 | M<br>0.20<br>SD<br>0.09<br>M<br>10 |

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TABLE 014

BASF TOXICOLOGY - DATATOR AC.2  
PROJECT NUMBER 4090379/00077  
REG. NO. 03 250

PRINT DATE 12-OCT-69

RETICULOCYTES

GROUP MEANS

Nominal days in study 20 Pof.

F E M A L E S RETI  
GROUP 0 0/00

0 MG/KG M 10  
SD 6  
N 10

GROUP 1 2000  
400 MG/KG M 10  
SD 15  
N 10

Statistics: Anova + Student's t-tests (two-sided); \* p<0.05; \*\* p<0.01; \*\*\* p<0.001 (Statistical unit = Animal)

Tab. 015

OAR Department of Toxicology  
 REG. NO. 03 750, PRENATAL, TOX STUDY.  
 ADMINISTRATION BY GAVAGE IN RABBITS.  
 ABSOLUTE WEIGHTS - MEAN VALUES  
 1000021/0001  
 Dec/13/1988 0071  
 AUSAIA  
 0001001

|                 | Sacrifice group |         | P1 | P | I |
|-----------------|-----------------|---------|----|---|---|
|                 | 0               | 10      |    |   |   |
| Body weight     | 2014.947        | 2017.0  |    |   |   |
|                 | SD 140.000      | 100.741 |    |   |   |
| Liver           | 50.020          | 55.535  |    |   |   |
|                 | SD 6.17         | 6.417   |    |   |   |
| Aeroseal glands | 0.31            | 0.237   |    |   |   |
|                 | SD 0.034        | 0.034   |    |   |   |

Summits test  
 P < 0.05 vs P < 0.01  
 Two sided (statistical unit = animal)

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Tab. 016

OASD Department of Toxicology 4080313/08017  
 Dec/13/1988 MOFO  
 REG. NO. 03 250. PRELIMINARY FOR STUDY. SERIAL 081100  
 ADMINISTRATION BY GAVAN J. BARBILS PMT/001  
 RELATIVE WEIGHTS - MEAN VALUES

| Organ          | Sacrifice group |        | P     |
|----------------|-----------------|--------|-------|
|                | A               | B      |       |
| Body weight    | 100.            | 100.   |       |
| Liver          | 1.777           | 3.05** | 0.203 |
| Adrenal glands | 0.007           | 0.008  | 0.001 |

Dunnett test \*\* P < 0.01  
 \* P < 0.05  
 two sided (statistical unit = animal)

18-DEC-68

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TABLE 1 017

PROJECT NO. 4000375/00077, PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF MATERNAL NECROPSY OBSERVATIONS

|   | TEST GROUP 0 |       | TEST GROUP 1     |      |
|---|--------------|-------|------------------|------|
|   | CONTROL CMC  | 20    | 400 MG/RG BW/DAY | 20   |
| ORGANS EXAMINED   | N            | 20    | N                | 20   |
| NOTHING ABNORMAL DETECTED                               | N            | 100.0 | N                | 2    |
|   | N            |       | N                | 10.0 |
| HEART: DILATION   | N            | 0     | N                | 1    |
|   | N            | 0.0   | N                | 5.0  |
| HEART: DISCOLORATION                                    | N            | 0     | N                | 0    |
|   | N            | 0.0   | N                | 30.0 |
| LUNGS: EDEMA  | N            | 0     | N                | 2    |
|   | N            | 0.0   | N                | 10.0 |
| LIVER: DISCOLORATION                                    | N            | 0     | N                | 0    |
|   | N            | 0.0   | N                | 40.0 |
| LIVER: PROMINENT ACINAR PATTERN                         | N            | 0     | N                | 0    |
|   | N            | 0.0   | N                | 5.0  |
| KIDNEYS: DISCOLORATION                                  | N            | 0     | N                | 1    |
|   | N            | 0.0   | N                | 0.0  |
| PARTICULAR FINDINGS ON IMPLANTS IN OVARIA WHICH ABORTED | N            | 0     | N                | 10   |
|   | N            | 0.0   | N                | 50.0 |
| UTERUS: DIVERTICULUM                                    | N            | 0     | N                | 1    |
|   | N            | 0.0   | N                | 0.0  |

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15-DEC-80

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TABLE 1 018

PROJECT NO. 4080375/88077; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF REPRODUCTION DATA

TEST GROUP 0      TEST GROUP 1  
 CONTROL CMC      400 MG/MG BW/DAY

|                           | M     | N     | 20    | 20  |
|---------------------------|-------|-------|-------|-----|
| Females Mated             |       |       |       |     |
| Pregnant                  | M     | 18    | 18    | 20  |
|                           | %     | 95    | 95    | 100 |
| Aborteds                  | M     | 0     | 0     | 10  |
| Premature Births          | M     | 0     | 0     | 0   |
| Sams with Viable Fetuses  | M     | 18    | 18    | 8   |
| Sams with all Resorptions | M     | 0     | 0     | 2   |
| Female Mortality          | M     | 0     | 0     | 10b |
|                           | %     | 0.0   | 0.0   | 50  |
| Pregnant at C-section     | M     | 18    | 18    | 10b |
|                           | %     | 95    | 95    | 50  |
| Corpora Lutea             | MEAN  | 7.8   | 7.4   |     |
|                           | S.D.  | 1.84  | 1.43  |     |
|                           | TOTAL | 181   | 74    |     |
| Implantation Sites        | MEAN  | 6.7   | 9.2   |     |
|                           | S.D.  | 2.16  | 2.26  |     |
|                           | TOTAL | 127   | 83    |     |
| Preimplantation Loss      | MEANS | 17.2  | 20.2  |     |
|                           | S.D.  | 17.87 | 22.71 |     |
| Postimplantation Loss     | MEANS | 10.3  | 32.8a |     |
|                           | S.D.  | 18.83 | 37.71 |     |

..... SIGNIFICANTLY DIFFERENT FROM CONTROL, a = P<0.05, b = P<0.01.

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TABLE 1 018

PROJECT NO. 4080375/88877; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF REPRODUCTION DATA

| Treatment at C-section | N     | TEST GROUP 0 |       | TEST GROUP 1 |       |
|------------------------|-------|--------------|-------|--------------|-------|
|                        |       | MEAN         | S.D.  | MEAN         | S.D.  |
| Receptions: Total      | 10    | 1.0          | 1.1   | 1.1          | 1.1   |
|                        |       | 0.00         | 0.00  | 0.00         | 0.00  |
|                        | 10    |              |       |              |       |
| MEANS                  | 10.3  | 10.3         | 37.00 | 37.00        | 37.71 |
| S.D.                   | 10.93 | 10.93        |       |              |       |
| Early                  | 0.4   | 0.4          | 0.0   | 0.0          | 0.0   |
|                        | 0.03  | 0.03         | 0.00  | 0.00         | 0.00  |
| TOTAL                  | 7     |              |       |              |       |
| MEANS                  | 7.0   | 7.0          | 20.2  | 20.2         | 31.65 |
| S.D.                   | 17.00 | 17.00        |       |              |       |
| Late                   | 0.2   | 0.2          | 0.2   | 0.2          | 0.2   |
|                        | 0.37  | 0.37         | 0.42  | 0.42         | 0.42  |
| TOTAL                  | 3     |              |       |              |       |
| MEANS                  | 3.4   | 3.4          | 6.7   | 6.7          | 16.16 |
| S.D.                   | 6.67  | 6.67         |       |              |       |
| Dead Fetuses           | N     | 0            | 0     | 0            | 0     |

--- SIGNIFICANTLY DIFFERENT FROM CONTROL; a = P < 0.05; b = P < 0.01.

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TABLE 1

6

PROJECT NO. 4080375/88077; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF REPRODUCTION DATA

TEST GROUP 0      TEST GROUP 1  
 CONTROL CMC      400 MG/KG BW/DAY

Dams with Viable Fetuses      N      10      0

Live Fetuses      MEAN      6.2      5.3  
                   S.D.      2.57      1.98  
                   TOTAL      117      42  
 MEANS      88.7      83.0  
 S.D.      18.53      14.77

Females      MEAN      3.3      3.4  
                   S.D.      1.86      1.82  
                   TOTAL      63      37  
 MEANS      59.3      54.3  
 S.D.      18.88      20.34

Males      MEAN      2.8      1.8  
                   S.D.      1.05      0.55  
                   TOTAL      64      16  
 MEANS      39.4      29.7  
 S.D.      18.42      21.25

PER CENT LIVE FEMALES

PER CENT LIVE MALES

64.3

35.7

-----  
 SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05; b = P<0.01.

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TABLE 1 021

PROJECT NO. 4080378/80077, PRENATAL TOXICITY STUDY IN RABBITS

ORAL ADMINISTRATION (GAVAGE)  
MEAN PLACENTAL AND FETAL BODY WEIGHTS

TEST GROUP 0 TEST GROUP 1  
CONTROL CMC 400 MG/KG BW/DAY

PLACENTAL WEIGHTS UNITS, GRAMS

|                       | MEAN | S.D. | N  |
|-----------------------|------|------|----|
| of all Viable Fetuses | 4.4  | 0.76 | 10 |
| of Male Fetuses       | 4.3  | 0.88 | 10 |
| of Female Fetuses     | 4.4  | 0.88 | 10 |

FETAL WEIGHTS UNITS, GRAMS

|                       | MEAN | S.D. | N  |
|-----------------------|------|------|----|
| of all Viable Fetuses | 39.0 | 3.93 | 10 |
| of Male Fetuses       | 39.0 | 4.38 | 10 |
| of Female Fetuses     | 40.1 | 4.07 | 10 |

..... SIGNIFICANTLY DIFFERENT FROM CONTROL, \* p < 0.05, b = p < 0.01.

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TABLE 1 02

PROJECT NO. 4090375/88077: PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF ALL CLASSIFIED FETAL EXTERNAL OBSERVATIONS

|                            | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>400 MG/MG BW/DAY |
|----------------------------|-----------------------------|----------------------------------|
| Litters Evaluated          | N<br>19                     | N<br>42                          |
| Fetuses Evaluated          | N<br>117                    | N<br>42                          |
| Live                       | N<br>117                    | N<br>42                          |
| Dead                       | N<br>0                      | N<br>0                           |
| <b>TOTAL MALFORMATIONS</b> |                             |                                  |
| Petal Incidence            | M<br>0.0                    | M<br>0.0                         |
| Litter Incidence           | M<br>0.0                    | M<br>0.0                         |
| Affected Fetuses/Litter    | MEANS<br>0.7                | MEANS<br>0.0                     |
|                            | S.D.<br>2.87                | S.D.<br>0.00                     |
| <b>TOTAL VARIATIONS</b>    |                             |                                  |
| Petal Incidence            | M<br>0.0                    | M<br>0.0                         |
| Litter Incidence           | M<br>0.0                    | M<br>0.0                         |
| Affected Fetuses/Litter    | MEANS<br>0.0                | MEANS<br>0.0                     |
|                            | S.D.<br>0.00                | S.D.<br>0.00                     |

-----  
 SIGNIFICANTLY DIFFERENT FROM CONTROL: \* = P<0.05; \*\* = P<0.01.

15-DEC-88

00077

TABLE 1 02

PROJECT NO. 40R0375/80077, PRENATAL TOXICITY STUDY IN RABBITS

ORAL ADMINISTRATION (GAVAGE)  
SUMMARY OF FETAL EXTERNAL MALFORMATIONS

|   | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>400 MG/KG BW/DAY |
|---|-----------------------------|----------------------------------|
| Litters Evaluated                         | 10                          | 0                                |
| Postures Evaluated                        | 117                         | 42                               |
| Live                                      | 117                         | 42                               |
| Dead                                      | 0                           | 0                                |
| <b>CHROMOSOMES</b>                        |                             |                                  |
| Fetal Incidence                           | 1                           | 0                                |
| Litter Incidence                          | 0.0                         | 0.0                              |
|   | 5.3                         | 0.0                              |
| <b>TOTAL FETAL EXTERNAL MALFORMATIONS</b> |                             |                                  |
| Fetal Incidence                           | 1                           | 0                                |
| Litter Incidence                          | 0.0                         | 0.0                              |
|   | 5.3                         | 0.0                              |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05; b = P<0.01.

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18-DEC-68

88077

TABLE 1

PROJECT NO. 4080375/88077, PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF FETAL EXTERNAL VARIATIONS

TEST GROUP 0      TEST GROUP 1  
 CONTROL CMC      405 MG/4G 8H/DAY

|                   |   |     |    |
|-------------------|---|-----|----|
| Litters Evaluated | M | 19  | 0  |
| Fetuses Evaluated | M | 117 | 42 |
| L. 70             | M | 117 | 42 |
| Dead              | M | 0   | 0  |

TOTAL FETAL EXTERNAL VARIATIONS

|                  |   |     |     |
|------------------|---|-----|-----|
| Total Incidence  | M | 0   | 0   |
| Litter Incidence | M | 0.0 | 0.0 |
|                  | M | 0.0 | 0.0 |
|                  | F | 0.0 | 0.0 |

SIGNIFICANTLY DIFFERENT FROM CONTROL. a = P<0.05, b = P<0.01.

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18-DEC-88

80077

TABLE 1 021

PROJECT NO. 4080378/80077; PRENATAL TOXICITY STUDY IN RABBITS  
ORAL ADMINISTRATION (GAVAGE)

SUMMARY OF FETAL INTERNAL UNCLASSIFIED OBSERVATIONS

|  | TEST GROUP 0 | TEST GROUP 1     |
|--|--------------|------------------|
|  | CONTROL CMC  | 400 MG/KG BW/DAY |
| Litters Evaluated                              | 19           | 0                |
| Fetuses Evaluated                              | 117          | 42               |
| Live   | 117          | 42               |
| Dead   | 0            | 0                |
| TOTAL FETAL INTERNAL UNCLASSIFIED OBSERVATIONS |              |                  |
| Total Incidence                                | 0.0          | 0.0              |
| Litter Incidence                               | 0.0          | 0.0              |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05, b = P<0.01.

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PROJECT NO. 4000375/00077, PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF ALL CLASSIFIED FETAL SOFT TISSUE OBSERVATIONS

00077

|                            | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>400 MG/KG BW/DAY |       |
|----------------------------|-----------------------------|----------------------------------|-------|
| Litters Evaluated          | 10                          | 10                               |       |
| Fetuses Evaluated          | 117                         | 117                              |       |
| Live                       | 117                         | 117                              |       |
| Dead                       | 0                           | 0                                |       |
| <b>TOTAL MALFORMATIONS</b> |                             |                                  |       |
| Petal Incidence            | 0.0                         | 0.0                              | 0.0   |
| Litter Incidence           | 0                           | 0                                | 0.0   |
| Affected Fetuses/Litter    | 0.0                         | 0.0                              | 0.00  |
|                            |                             |                                  | S.D.  |
| <b>TOTAL VARIATIONS</b>    |                             |                                  |       |
| Petal Incidence            | 23                          | 19.7                             | 47.6  |
| Litter Incidence           | 11                          | 97.6                             | 87.5  |
| Affected Fetuses/Litter    | 20.2                        | 28.40                            | 83.80 |
|                            |                             |                                  | 32.93 |
|                            |                             |                                  | S.D.  |

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 SIGNIFICANTLY DIFFERENT FROM CONTROL. a = P<0.05. b = P<0.01.

15-DEC-88

00077

PROJECT NO. 4000375/00077: PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF FETAL SOFT TISSUE MALFORMATIONS

TABLE 1 077

|                                       | TEST GROUP 0 | TEST GROUP 1     |
|---------------------------------------|--------------|------------------|
|                                       | CONTROL CMC  | 400 MG/MG BW/DAY |
| Litters Evaluated                     | 19           | 0                |
| Fetuses Evaluated                     | 117          | 42               |
| Live                                  | 117          | 42               |
| Dead                                  | 0            | 0                |
| TOTAL FETAL SOFT TISSUE MALFORMATIONS |              |                  |
| Fetal Incidence                       | 0            | 0                |
| Litter Incidence                      | 0.0          | 0.0              |
|                                       | 0.0          | 0.0              |

SIGNIFICANTLY DIFFERENT FROM CONTROL, a = P < 0.05, b = P < 0.01.

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15-DEC-68

80877

TABLE 1 028

PROJECT NO. 4080375/80877; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF FETAL SOFT TISSUE VARIATIONS

|   | TEST GROUP 0<br>CONTROL CMC | TEST GROUP 1<br>400 MG/KG BW/DAY |
|---|-----------------------------|----------------------------------|
| Litters Evaluated                                       | 19                          | 42                               |
| Fetuses Evaluated                                       | 117                         | 42                               |
| Liv   | 117                         | 42                               |
| Dead  | 0                           | 0                                |
| SEPARATED ORIGIN OF CAROTIDS                            |                             | 15b                              |
| Fetal Incidence   | 12                          | 35.7                             |
| Litter Incidence  | 10.3                        | 8                                |
|   | 47.4                        | 75.0                             |
| HEART, TRACES OF INTERVENTRIC.FORAMEN/SEPTUM MEMBRANEUM |                             | 5                                |
| Fetal Incidence   | 11                          | 14.3                             |
| Litter Incidence  | 0.4                         | 3                                |
|   | 26.5                        | 37.5                             |
| HYPOPLASIA OF GALLBLADDER                               |                             | 0                                |
| Fetal Incidence   | 1                           | 0.0                              |
| Litter Incidence  | 0.0                         | 0.0                              |
|   | 5.3                         | 0.0                              |
| TOTAL FETAL SOFT TISSUE VARIATIONS                      |                             | 20b                              |
| Fetal Incidence   | 23                          | 47.6                             |
| Litter Incidence  | 19.7                        | 7                                |
|   | 87.0                        | 87.5                             |

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 SIGNIFICANTLY DIFFERENT FROM CONTROL; a = P<0.05; b = P<0.01.

18-DEC-88

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TABLE 1 020

PROJECT NO. 4080376/00077, PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF FETAL SOFT TISSUE UNCLASSIFIED OBSERVATIONS

|   | TEST GROUP 0 | TEST GROUP 1     |
|---|--------------|------------------|
|   | CONTROL CMC  | 400 MG/KG BW/DAY |
| Litters Evaluated                                 | 10           | 0                |
| Fetuses Evaluated                                 | 117          | 42               |
| Live  | 117          | 42               |
| Dead  | 0            | 0                |
| TOTAL FETAL SOFT TISSUE UNCLASSIFIED OBSERVATIONS |              |                  |
| Fetal Incidence                                   | 0            | 0                |
| Litter Incidence                                  | 0.0          | 0.0              |
|   | 0            | 0                |
|   | 0.0          | 0.0              |

..... SIGNIFICANTLY DIFFERENT FROM CONTROL. 0 = P<0.05, 1 = P<0.01.

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15-DEC-88

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TABLE : 030

PROJECT NO. 4080375/88077; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF ALL CLASSIFIED FETAL SKELETAL OBSERVATIONS

|                            | TEST GROUP 0<br>CONTROL CMC |       | TEST GROUP 1<br>400 MG/MG BW/DAY |       |
|----------------------------|-----------------------------|-------|----------------------------------|-------|
| Litters Evaluated          | N                           | 19    | N                                | 8     |
| Fetuses Evaluated          | N                           | 117   | N                                | 42    |
| Live                       | N                           | 117   | N                                | 42    |
| Dead                       | N                           | 0     | N                                | 0     |
| <b>TOTAL MALFORMATIONS</b> |                             |       |                                  |       |
| Fetal Incidence            | %                           | 0.0   | %                                | 0.0   |
| Litter Incidence           | %                           | 0.0   | %                                | 0.0   |
| Affected Fetuses/Litter    | MEANS                       | 0.0   | MEANS                            | 0.0   |
|                            | S.D.                        | 0.00  | S.D.                             | 0.00  |
| <b>TOTAL VARIATIONS</b>    |                             |       |                                  |       |
| Fetal Incidence            | %                           | 14    | %                                | 14.3  |
|                            |                             | 12.0  |                                  | 14.3  |
| Litter Incidence           | %                           | 8     | %                                | 3     |
|                            |                             | 43.1  |                                  | 37.8  |
| Affected Fetuses/Litter    | MEANS                       | 13.1  | MEANS                            | 12.3  |
|                            | S.D.                        | 19.72 |                                  | 17.43 |
| <b>TOTAL RETARDATIONS</b>  |                             |       |                                  |       |
| Fetal Incidence            | %                           | 68    | %                                | 148   |
|                            |                             | 58.1  |                                  | 33.3  |
| Litter Incidence           | %                           | 18    | %                                | 8     |
|                            |                             | 64.2  |                                  | 62.8  |
| Affected Fetuses/Litter    | MEANS                       | 54.9  | MEANS                            | 33.3  |
|                            | S.D.                        | 38.08 |                                  | 38.73 |

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 SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05, b = P<0.01.

18-DEC-88

08877

TABLE : 031

PROJECT NO. 4080378/88077: PRENATAL TOXICITY STUDY IN RABBITS

ORAL ADMINISTRATION (GAVAGE)

SUMMARY OF FETAL SKELETAL MALFORMATIONS

TEST GROUP 0 TEST GROUP 1  
CONTROL CMC 408 MG/RO BW/DAY

|                   |   |     |    |
|-------------------|---|-----|----|
| Litters Evaluated | M | 18  | 0  |
| Posture Evaluated | M | 117 | 42 |
| Live              | M | 117 | 42 |
| Dead              | M | 0   | 0  |

TOTAL FETAL SKELETAL MALFORMATIONS

|                  |   |     |     |
|------------------|---|-----|-----|
| Fetal Incidence  | M | 0.0 | 0.0 |
| Litter Incidence | M | 0.0 | 0.0 |

SIGNIFICANTLY DIFFERENT FROM CONTROL: a - P<0.05; b - P<0.01

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15-DEC-88

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TABLE : 032

PROJECT NO. 4080375/88077: PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF FETAL SKELETAL VARIATIONS

|   | TEST GROUP 0<br>CONTROL LMC | TEST GROUP 1<br>400 MG/KG BW/DAY |
|---|-----------------------------|----------------------------------|
| Litters Evaluated                                   | 19                          | 8                                |
| Fetuses Evaluated                                   | 117                         | 42                               |
| Live  | 117                         | 42                               |
| Dead  | 0                           | 0                                |
| <b>SPLITTING OF SKULL BONE(S)</b>                   |                             |                                  |
| Total Incidence                                     | 4                           | 0                                |
| Litter Incidence                                    | 3.4                         | 0.0                              |
|   | 4                           | 0                                |
|   | 21.1                        | 0.0                              |
| <b>SPACIAL BONE BETWEEN NASAL AND FRONTAL BONES</b> |                             |                                  |
| Total Incidence                                     | 2                           | 0                                |
| Litter Incidence                                    | 1.7                         | 0.0                              |
|   | 2                           | 0                                |
|   | 10.0                        | 0.0                              |
| <b>ACCESSORY THORACIC VERTEBRA</b>                  |                             |                                  |
| Total Incidence                                     | 1                           | 0                                |
| Litter Incidence                                    | 0.9                         | 0.0                              |
|   | 1                           | 0                                |
|   | 5.3                         | 0.0                              |
| <b>CLAVICULA DEFORMED</b>                           |                             |                                  |
| Total Incidence                                     | 0                           | 1                                |
| Litter Incidence                                    | 0.0                         | 2.4                              |
|   | 0                           | 1                                |
|   | 0.0                         | 12.5                             |
| <b>STERNEBRA(S) OF IRREGULAR SHAPE</b>              |                             |                                  |
| Total Incidence                                     | 2                           | 0                                |
| Litter Incidence                                    | 1.7                         | 0.0                              |
|   | 2                           | 0                                |
|   | 10.5                        | 0.0                              |
| <b>STERNEBRA(S) BIPARTITE</b>                       |                             |                                  |
| Total Incidence                                     | 1                           | 0                                |
| Litter Incidence                                    | 0.9                         | 0.0                              |
|   | 1                           | 0                                |
|   | 5.3                         | 0.0                              |
| <b>STERNEBRAE FUSED</b>                             |                             |                                  |
| Total Incidence                                     | 2                           | 1                                |
| Litter Incidence                                    | 1.7                         | 2.4                              |
|   | 2                           | 1                                |
|   | 10.5                        | 12.5                             |

..... SIGNIFICANTLY DIFFERENT FROM CONTROL: a = P<0.05, b = P<0.01.

15-DEC-89  
88077

PROJECT NO. 40R0375/88077, PRENATAL TOXICITY STUDY IN RABBITS  
ORAL ADMINISTRATION (GAVAGE)  
SUMMARY OF FETAL SKELETAL VARIATIONS

TABLE 1

033

TEST GROUP 0 TEST GROUP 1

CONTROL CMC 400 MG/RS BW/DAY

Litters Evaluated M 10  
Parturds Evaluated M 117  
Live M 117  
Dead M 0

ACCESSORY 13TH RIB(S)  
Total Incidence M 4  
M 3.4  
M 3  
% 18.0

FLYING RIB(S)  
Total Incidence M 2  
M 0.0  
M 0.0  
% 12.0

13TH RIB(S) ABSENT  
Total Incidence M 1  
M 0.0  
M 1  
% 6.0

Litter Incidence M 0.0  
M 0.0  
M 0.0

TOTAL FETAL SKELETAL VARIATIONS  
Total Incidence M 14  
M 12.0  
M 14.3  
% 43.1

Litter Incidence M 0.0  
M 0.0  
M 0.0

SIGNIFICANTLY DIFFERENT FROM CONTROL. a = P<0.05, b = P<0.01.

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18-DEC-88  
08077

PROJECT NO. 4080J75/80077, PRENATAL TOXICITY STUDY IN RABBITS  
ORAL ADMINISTRATION (GAVAGE)  
SUMMARY OF FETAL SKELETAL RETARDATIONS

TABLE 1

|  | TEST GROUP 0 |                  | TEST GROUP 1 |  |
|--|--------------|------------------|--------------|--|
|  | CONTROL CMC  | 400 MG/RG BW/DAY |              |  |
| Litters Evaluated  | 19           | 0                |              |  |
| Fetuses Evaluated  | 117          | 42               |              |  |
| Live   | 117          | 42               |              |  |
| Dead   | 0            | 0                |              |  |
| <b>SKULL INCOMPLETELY OSSIFIED</b>                           |              |                  |              |  |
| Fetal Incidence  | 5            | 7                |              |  |
| Litter Incidence   | 4.3          | 4.8              |              |  |
| <b>STERNURAE(1) NOT OSSIFIED</b>                             |              |                  |              |  |
| Fetal Incidence  | 5            | 2                |              |  |
| Litter Incidence   | 26.3         | 28.0             |              |  |
| <b>STERNURAE(2) INCOMPLETELY OSSIFIED OR REDUCED IN SIZE</b> |              |                  |              |  |
| Fetal Incidence  | 38           | 7                |              |  |
| Litter Incidence   | 30.8         | 16.7             |              |  |
| <b>STERNURAE(3) INCOMPLETELY OSSIFIED OR REDUCED IN SIZE</b> |              |                  |              |  |
| Fetal Incidence  | 12           | 3                |              |  |
| Litter Incidence   | 63.2         | 37.5             |              |  |
| <b>TOTAL FETAL SKELETAL RETARDATIONS</b>                     |              |                  |              |  |
| Fetal Incidence  | 55           | 14               |              |  |
| Litter Incidence   | 26.5         | 14.3             |              |  |
| <b>RETARDATIONS</b>  |              |                  |              |  |
| Fetal Incidence  | 68           | 14b              |              |  |
| Litter Incidence   | 68.1         | 33.3             |              |  |
|  | 18           | 4                |              |  |
|  | 84.2         | 67.5             |              |  |

.....  
SIGNIFICANTLY DIFFERENT FROM CONTROL. a = P<0.05, b = P<0.01.

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TABLE

PROJECT NO. 400035/00077; PRENATAL TOXICITY STUDY IN RABBITS  
 ORAL ADMINISTRATION (GAVAGE)  
 SUMMARY OF ALL CLASSIFIED PATAL INTERNAL, SOFT TISSUE, AND SKELETAL OBSERVATIONS

TEST GROUP 0 400 MG/RO BW/DAY  
 TEST GROUP 1  
 CONTROL CMC

|                   |   |     |    |
|-------------------|---|-----|----|
| Litters Evaluated | N | 19  | 0  |
| Fetuses Evaluated | M | 117 | 42 |
| Live              | M | 117 | 42 |
| Dead              | M | 0   | 0  |

TOTAL MALFORMATIONS

|                         |   |      |      |
|-------------------------|---|------|------|
| Total Incidence         | M | 1    | 0    |
| Litter Incidence        | M | 0.0  | 0.0  |
| Affected Fetuses/Litter | M | 0.0  | 0.0  |
| MEANS                   |   | 0.7  | 0.0  |
| S.D.                    |   | 2.07 | 0.00 |

TOTAL VARIATIONS

|                         |   |       |       |
|-------------------------|---|-------|-------|
| Total Incidence         | M | 32    | 226   |
| Litter Incidence        | M | 27.4  | 52.4  |
| Affected Fetuses/Litter | M | 12    | 7     |
| MEANS                   |   | 60.4  | 87.6  |
| S.D.                    |   | 20.8  | 56.00 |
|                         |   | 26.05 | 30.75 |

TOTAL RETARDATIONS

|                         |   |       |       |
|-------------------------|---|-------|-------|
| Total Incidence         | M | 60    | 146   |
| Litter Incidence        | M | 50.1  | 33.3  |
| Affected Fetuses/Litter | M | 16    | 8     |
| MEANS                   |   | 84.3  | 82.6  |
| S.D.                    |   | 54.8  | 33.3  |
|                         |   | 35.08 | 26.73 |

SIGNIFICANTLY DIFFERENT FROM CONTROL. a = P<0.05; b = P<0.01.

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