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SC-19192: SEGMENT II TERATOLOGY STUDY
IN THE RABBIT

P-T NO. 1003H72

FINAL REPORT

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DATE: October 12, 1972

MATERIAL: SC-19192

LOT NO: 1R

SUBJECT: FINAL REPORT
Segment II Teratology Study in the Rabbit
Project No. 700-264

SUMMARY

The purpose of this study was to evaluate the potential of SC-19192 for embryotoxic and/or teratogenic effects in albino rabbits. A 10% aqueous suspension of the test material in a 1% aqueous solution of Tween 80 was administered by oral intubation, twice daily (in divided doses) at intervals of four hours from Day 6 through Day 18 of gestation. Three test groups of 21, 22, and 21 animals, respectively, each received total daily dosage levels of 0.5 g/kg/day (Group No. 2), 1.0 g/kg/day (Group No. 3), and 2.0 g/kg/day (Group No. 4). A control group of 21 females (Group No. 1) received a 1% aqueous solution of Tween 80 only, by oral intubation, twice daily from Day 6 through Day 18 in a volume equal to that received by the high level test females.

Incidence of mortality was similar between the control group (6/21) and Groups No. 2 (4/21) and No. 3 (6/21). In Group No. 4, 19/21 animals died; death in most of these animals was apparently related to the development of a large gastric bolus comprised of granular white material (presumptively identified as SC-19192) admixed with hair.



This hard solid mass disturbed gastric emptying, resulting in anorexia, gastric stasis, and occasionally gastric rupture.

Pregnancy rates in the does found dead were as follows: 100% in the control group, 75% in Group No. 2, 67% in Group No. 3, and 74% in Group No. 4. The litters of one control animal and of one Group No. 2 animal which died were evaluated for skeletal development; no other litters from the animals which died could be evaluated for visceral or skeletal development.

Pregnancy rates for animals delivered by Caesarean section at term were similar for the controls and Groups No. 2 and No. 3 (93%, 88%, and 81%, respectively). One of the two Group No. 4 females which survived to term was pregnant. A summary of findings for these animals are presented below.

Appearance and behavior of control and test pregnant females surviving to term were not meaningfully different; necropsy findings for these animals were not remarkable.

Overall group mean body weight changes from Day 0 to term for the Group No. 2 (+6%) and Group No. 3 (0%) animals were similar to the control Group (+3%). The single pregnant Group No. 4 survivor showed an overall body weight loss of 8%.

Decreases in food consumption were evident among both control and test animals during the treatment and posttreatment periods, as



compared to respective pretreatment food consumption data. Percent decreases observed for Group No. 2 and Group No. 3 were either less pronounced than or similar to those for the controls. Percent decrease in food consumption for the single pregnant Group No. 4 animal was greater than observed among any individual control animal during the treatment and posttreatment periods.

Ratio of the number of implantation sites to the number of corpora lutea for Groups No. 2, No. 3, and No. 4, and the mean number of implantation sites, of resorption sites, and of live and dead fetuses for Groups No. 2 and No. 3 were comparable to control values. Data for the single Group No. 4 pregnant female could not be meaningfully compared with control mean values for the various uterine and litter parameters evaluated; however, no remarkable differences in any parameter were noted for this single animal when considered within the range of individual findings among the control litters. Statistical analysis of uterine and litter data revealed no significant differences between mean values for the control group and Groups No. 2 and No. 3.

There were no statistically significant differences between live fetal mean weights and lengths for the controls and Groups No. 2 and No. 3; live fetal mean weight for the single Group No. 4 litter fell within the control range.

Visceral examination of fetuses by Wilson's technique was performed on the following number of litters delivered by Caesarean section at term: 12 control, 13 Group No. 2, 10 Group No. 3, and one Group No. 4. Skeletal evaluations were performed on fetuses from 13 control, 14 Group No. 2, and



12 Group No. 3 litters and one Group No. 4 litter (including all litters delivered by Caesarean section at term, litters from one control animal and one Group No. 2 animal which died, and a litter aborted by a Group No. 3 animal). Examination of external, visceral, and skeletal structures revealed no consistent unusual findings among the test fetuses, and the fetal skeletal evaluations revealed no trends toward lesser or greater development in the test groups as compared to the control group.

In conclusion, oral administration of SC-19192 to female albino rabbits from Day 6 through Day 18 of gestation at dosage levels of 0.5 and 1.0 g/kg/day (Groups No. 2 and No. 3, respectively) resulted in no discernible embryotoxic and/or teratogenic effects. The high incidence of mortality at a dosage level of 2.0 g/kg/day (Group No. 4) precluded a meaningful evaluation at this test level; however, data for the one litter obtained showed no evidence of an embryotoxic or teratogenic effect.

INTRODUCTION

Artificial insemination of the does used for this study was performed on May 16, 1972. Sacrifice of females for Caesarean delivery on Day 28 or Day 29 of gestation was performed on June 13 and June 14, 1972.



MATERIALS

Compound

Identification: SC-19192; Lot No. 1R.

Receipt Date: November 23, 1971.

Description: A white powder with an unpleasant odor.

Purity: Assumed 100% active ingredient.

Animals

Species: Rabbits; proven does and bucks.

Supplier: Rowmar Rabbitry and Camm Research Institute, Inc.

Strain: New Zealand White.

Basal Diet: Purina Rabbit Chow and water available ad libitum.

Housing: Individually in Hoeltge self-flushing, stainless steel,
hanging cages.

Stock Chemicals

Tissue Preservation: 10% neutral buffered formalin, Bouin's solution,
80% ethyl alcohol, and 100% glycerin.

Skeletal Staining: 1.0% potassium hydroxide; alizarin red S stain and
potassium hydroxide solution; one part benzyl alcohol, one part
glycerin, and two parts 70% alcohol; and 75% glycerin.



METHODS

Impregnation of Does

Each doe, following stimulation of ovulation by intravenous administration of Pituitary Luteinizing Hormone, was impregnated by means of artificial insemination using techniques similar to those described by Gibson, J. P., Staples, R. E., and Newberne, J. W., Use of the Rabbit in Teratogenicity Studies, Toxicology and Applied Pharmacology, Vol. 9, No. 2, September 1966. The day of insemination was designated as Day 0 of gestation.

Animal Groups

From a total of 85 does impregnated by means of artificial insemination, the animals were arbitrarily selected and were placed into one control and three test groups to receive the indicated dosage levels.

<u>Group No.</u>	<u>No. of Does</u>	<u>Dosage Levels (Total Daily Dose*)</u> g/kg/day
1 (Control)	21	0
2	21	0.5
3	22	1.0
4	21	2.0

* The total daily dose administered was divided into two equal parts with each animal receiving one-half of the total dose at four hour intervals.



Administration of Compound

A 10% aqueous suspension (weight-per-volume) of the test material was prepared fresh daily in a 1% aqueous solution (weight-per-volume) of Tween 80. The test suspension was administered to the test animals by oral intubation, in equally divided doses at intervals of four hours, from Day 6 through Day 18 of gestation - a total of 13 consecutive days of treatment. The total daily volumes administered to the test females were 5.0, 10.0, and 20.0 ml/kg of body weight (Groups No. 2, No. 3, and No. 4, respectively). One-half of the total daily volume was administered at each divided dose. Dosages were based on individual body weights on Days 6, 10, 15, and 18 of gestation. No compound was administered prior to Day 6 or subsequent to Day 18. Control animals were treated in a similar manner and received a 1% aqueous solution (weight-per-volume) of Tween 80 only, from Day 6 through Day 18, by oral intubation in a volume equal to that received by the high test level females.

Observations and Records on Impregnated Females

Mortality, appearance, and behavior of all impregnated animals were observed daily throughout the expected gestation period. Body weight was recorded on the following days of gestation: Day 0 (initially); Days 6, 10, 15, 18, 22; and Day 28 or 29 (terminally). Food consumption was recorded daily throughout the study.



Termination

Does were sacrificed on Day 28 or Day 29 of gestation by means of intravenous air embolism. Caesarean sections were performed, and the following observations were recorded: number of corpora lutea, number and placement of uterine implantation and resorption sites, number and placement of live and dead fetuses at delivery, individual fetal weight and length (crown-rump), and external fetal anatomy. Gross necropsies (partial) with examination of uterine and visceral structures were performed on all sacrificed does. The necropsy procedure employed included gross examination of the thoracic and abdominal cavities and of the following organs; heart, lung, stomach, small and large intestine, and urinary bladder. The same observations were recorded for all does which died during the study.

Visceral Examination of Fetuses by Wilson's Technique

Following delivery and after external observations were completed, approximately one-half of the fetuses from each litter* were fixed in Bouin's solution and evaluated for visceral changes using techniques similar to those

* With the exception of the following litters identified by maternal rabbit numbers from which fetuses were only processed for skeletal evaluation: Control Rabbit No. 793 and Group No. 2 Rabbit No. 827 which died on Days 27 and 28, respectively, Group No. 3 Rabbit No. 849 sacrificed at term which had only one fetus, and Group No. 3 Rabbit No. 850 which aborted Day 29.



described by Wilson, J. G. and Warkany, J., Teratology: Principles and Techniques. 1st ed. p. 267, The University of Chicago Press, Chicago, 1965. Whole body transverse sections of the head, thoracic, and abdominal regions were taken and examined for abnormalities under the dissecting microscope.

Skeletal Examination of Fetuses

Following completion of external observations, the remaining one-half of the fetuses were exsanguinated, placed in distilled water for approximately an hour, eviscerated, skinned, replaced in distilled water for approximately two hours, and then fixed in 80% ethyl alcohol for a minimum of three days. The fetuses were then placed in 1.0% potassium hydroxide for about 24 hours, stained for approximately 24 hours in a solution of alizarin red S and potassium hydroxide, and then rinsed with distilled water. The stain was extracted from the soft tissue with one part benzyl alcohol, one part glycerin, and two parts 70% alcohol for a minimum of 24 hours, and the fetuses were cleared with 75% glycerin for approximately 24 hours. Lamps were kept over the specimen containers throughout the staining and extraction procedures. Each skeleton was evaluated for relative differences in size, location, normal or abnormal bone structure, degree of ossification, and the presence or absence of bone structure. The fetuses were then stored in 100% glycerin.

Summary of Visceral and Skeletal Evaluations

A tabularized summary of the number of fetuses processed for visceral (Wilson's) or skeletal (alizarin) examination is presented below. All such fetuses (live plus dead) include those obtained by Caesarean section at term and those obtained from control Rabbit No. 793 and Group No. 2 Rabbit No. 827 which died on Days 27 and 28, respectively, and from Group No. 3 Rabbit No. 850 which aborted on Day 29. The only fetuses not evaluated from these litters were dead fetuses obtained by Caesarean section at term which were too small for processing procedures and two of four aborted fetuses from the litter of Group No. 3 Rabbit No. 850 for which evaluation was precluded by mutilation.

Group No.	Number of Fetuses			Number Evaluated		Number Not Evaluated
	Live	Dead	Total	Wilson's	Alizarin	
1	95	+ 11	= 106	50	55	1
2	97	+ 12	= 109	50	57	2
3	74	+ 7	= 81	36	41	4
4	9	+ 0	= 9	5	4	0

Tissue Preservation

The ovaries and uterus of each female were preserved in 10% neutral buffered formalin. Dead fetuses not processed for visceral or skeletal evaluation were preserved in 10% neutral buffered formalin. Fetuses examined by Wilson's technique were preserved in Bouin's solution and fetuses stained with alizarin red S were preserved in 100% glycerin. All tissues are being held at Hazleton Laboratories, Inc., for possible future examination.

Statistical Analysis

Statistical analysis of the following parameters was performed by the t-test at the 5.0% probability level: mean number of implantation sites, resorption sites, live fetuses and dead fetuses per group and mean weights and lengths of live fetuses by group. (Reference: Wilfred J. Dixon and Frank J. Massey, Jr., Introduction to Statistical Analysis, 123-124, McGraw Hill, 1957.)

RESULTS

Maternal Data Summary

The distribution and subsequent disposition of the inseminated rabbits is summarized in Figure No. 1. A more detailed description of specific observations will be discussed in subsequent sections.

Figure No. 1 - Conception rate data.

	Group No.			
	1	2	3	4
	g/kg/day			
	<u>Control</u>	<u>0.5</u>	<u>1.0</u>	<u>2.0</u>
Number Inseminated	21	21	22	21
Died - Not Pregnant	0	1	2	5
Died - Pregnant	6	3	4	14
Abortion	1	0	1	0
Caesarean - Not Pregnant	1	2	3	1
Caesarean - Pregnant	13	15	12	1

Morbidity and Mortality Data

Incidence of mortality was as follows: Control group - 6/21, Group No. 2 - 4/21, Group No. 3 - 6/22, Group No. 4 - 19/21. General observations and necropsy findings for the animals which died are summarized in Figure No. 2 with detailed findings following. The necropsy procedure employed included gross examination of the thoracic and abdominal cavities and of the following organs: heart, lung, stomach, small and large intestines, and urinary bladder.

Figure No. 2 - General observations and necropsy findings for animals which died.

	Group No.			
	1	2	3	4
	g/kg/day			
	<u>Control</u>	<u>0.5</u>	<u>1.0</u>	<u>2.0</u>
No. of Does Inseminated:	21	21	22	21
No. of Deaths:	6	4	6	19
No. Pregnant	6	3	4	14
No. Not Pregnant	0	1	2	5
<u>Morbidity</u>				
Anorexia/Little or No Food Consumption	3	4	5	16
Body Weight Loss	3	1	1	14
Thin Appearance	3	1	1	4
Indication of Respiratory Involvement	6	2	3	10
Soft Feces	0	0	1	16
Depression*	1	1	2	3

* Characterized by inactivity and a failure to respond to minimal agitation.



Figure No. 2 - Continued

	Group No.			
	1	2	3	4
	g/kg/day			
	Control	0.5	1.0	2.0
Ataxia	0	0	1	5
Hunched Appearance	0	0	1	0
Prostration	0	0	0	1
Paralysis of Hindlimbs	0	0	0	1*
Mucoid-like Material Found in Cage Pan (Day 13)	0	0	0	1
<u>Necropsy Findings</u>				
No Gross Lesions Observed	0	0	1	1
Lungs				
Red Fluid Present	1	0	1	0
White Purulent Material or White Fluid Present in Lungs or Thoracic Cavity	3	0	0	3
Stomach				
Ruptured**	4	1	1	3
Contains Moderate Quantities of Administered Material	1	3	3	16

* Animal sacrificed in extremis on Day 13 due to paralysis in hindlimbs.

** At necropsy there was an obvious perforation of the stomach with resultant emptying of gastric contents into the peritoneum. In most all cases, the stomach was full (food, hair, compound, etc.). A definitive diagnosis as to whether this occurred premortem, or whether it was a postmortem phenomenon caused by the weight of the gastric contents upon an autolyzing gastric mucosa, could not be made.



Necropsy findings in a majority of the high dose animals suggest that death was secondary to a physical blockage of the pyloric sphincter caused by massive accumulations of material presumptively identified as the administered compound, often intermixed with hair, in the stomach. In several cases, rupture of the gastric wall was noted. This gastric embolus effect was observed occasionally at the intermediate and low levels, but usually the amount of material in the stomach was of lesser quantity. In nearly all cases, death was preceded by sustained anorexia, weight loss, and soft feces.

Cases of mild respiratory involvement were recorded sporadically throughout all groups, and were confirmed at necropsy in a few animals in each group.

Data for Nonpregnant Females Sacrificed for Cesarean Delivery

There was a total of seven females (one control, two Group No. 2, three Group No. 3, and one Group No. 4) which were found not pregnant at sacrifice for Cesarean delivery. General observations and necropsy findings for these nonpregnant females are summarized in Figure No. 3, with detailed findings following.



Figure No. 3 - General observations and necropsy findings for nonpregnant animals sacrificed at term.

	Group No.			
	1	2	3	4
	g/kg/day			
	<u>Control</u>	<u>0.5</u>	<u>1.0</u>	<u>2.0</u>
No. of Does Inseminated:	21	21	22	21
No. of Does Surviving to Time of Sacrifice:	15	17	16	2
No. of Does Found Not Pregnant:	1	2	3	1
<u>Appearance and Behavior</u>				
Nasal Discharge	0	0	1	0
<u>Necropsy Findings</u>				
Numerous Fluid-Filled Cysts on the Oviduct	0	0	2	0
No Gross Lesions Observed	1	2	1	1

With the exception of nasal discharge noted in Group No. 3 Rabbit No. 840 from Day 8 through Day 10 and from Day 14 through Day 17, each of the nonpregnant does was normal in appearance and behavior throughout the study. Necropsy findings were unremarkable. Individual body weight and food consumption data for these animals are presented in appended Tables No. 1 and No. 1A, respectively. Data for these animals were excluded from group mean calculations.

Data for Pregnant Females Sacrificed for Caesarean Delivery

Fourteen does in the control group, 15 in Group No. 2, 13 in Group No. 3, and one in Group No. 4 were pregnant at term sacrifice. Of these, one control and one Group No. 3 animal showed evidence of abortion on Day 22 or Day 29 of gestation, respectively. General observations and necropsy findings for the pregnant does are summarized in Figure No. 4. Detailed findings are presented following the summary.



Figure No. 4 - General observations and necropsy findings
for pregnant animals sacrificed at term.

	Group No.			
	1	2	3	4
	g/kg/day			
	<u>Control</u>	<u>0.5</u>	<u>1.0</u>	<u>2.0</u>
No. of Does Inseminated:	21	21	22	21
No. of Does Surviving to Time of Sacrifice:	15	17	16	2
No. of Does Pregnant:	14	15	13	1
<u>Appearance and Behavior</u>				
Indication of Respiratory Involvement	7	10	7	1
Thin Appearance	1	3	2	1
Anorexia/Little or No Food Consumed	2	3	3	1
Depression*	1	0	1	0
Soft Feces	2	1	2	0
Ataxia	0	0	1	0
Abortion/Tissue Mass and Red Fluid in Pan	1	0	1	0

The combination of anorexia, weight loss, and soft feces, observed to a great extent among the previously described animals that died, was seen during the period of treatment in a few animals in each group of pregnant females surviving to term. However, no apparent blockage of the stomach was seen. Intermittent and sporadic signs of respiratory involvement were observed in several animals in each group, but the cases were generally mild in nature, and were not confirmed by pulmonary lesions at the time of term sacrifice.

* Characterized by inactivity and a failure to respond to minimal agitation.



Evidence of abortion (tissue masses and bloody fluid in the cage pan) was seen in one control and one intermediate level animal.

Necropsy of pregnant animals sacrificed at term revealed no remarkable lesions.

Individual and group mean body weight and food consumption data are presented in appended Tables No. 1 and No. 1A, respectively. Data for nonpregnant females, for females which died, and for the control and Group No. 3 females which aborted, were excluded from calculation of group mean values. Summaries of the body weight and food consumption data for the pregnant females are presented in Figures No. 5 and No. 6, respectively. Numbers in parentheses indicate the sample size used in calculation of group mean data.

Figure No. 5 - Body weight data for pregnant animals sacrificed at term.

	Group No.			
	1	2	3	4
	g/kg/day			
Control	0.5	1.0	2.0	
(13)	(15)	(12)	(1)*	

Group Mean Body Weights (g.)

Day 0: Weight	4149	4301	4280	5028
±s.d.	500.7	695.1	579.4	-
Day 6: Weight	4227	4404	4320	5039
±s.d.	396.6	588.1	508.8	-
Day 10: Weight	4142	4390	4224	4900
±s.d.	411.7	608.2	500.7	-
Day 15: weight	4231	4428	4248	4590
±s.d.	426.6	646.9	531.6	-
Day 18: Weight	4234	4446	4317	4733
±s.d.	395.4	636.0	568.3	-
Day 22: Weight	4268	4513	4410	4850
±s.d.	336.5	672.0	601.7	-
Day 28/29: Weight	4268	4578	4297	4618
±s.d.	274.4	628.2	614.5	-

* Data for the single pregnant survivor at the high level; s.d. not possible.



Figure No. 5 - Continued

	Group No.			
	1	2	3	4
	g/kg/day			
	Control	0.5	1.0	2.0
	(13)	(15)	(12)	(1)
<u>Group Mean Weight Changes at Each Weighing Interval ($\pm\%$)</u>				
Days 0 thru 6:	+2%	+2%	+1%	0
Days 6 thru 10:	-2%	0	-2%	-3%
Days 10 thru 15:	+2%	+1%	+1%	-6%
Days 15 thru 18:	0	0	+2%	+3%
Days 18 thru 22:	-1%	+2%	+2%	+2%
Days 22 thru 28/29:	0	+1%	-3%	-5%
<u>Group Mean Weight Changes at Selected Intervals ($\pm\%$)</u>				
During Treatment:				
Days 6 thru 18	0	+1%	0	-6%
During Treatment and Posttreatment:				
Days 6 thru 28/29	+1%	+4%	-1%	-8%
Entire Period of Gestation:				
Days 0 thru 28/29	+3%	+6%	0	-8%

Overall group mean body weight gains during treatment (Days 6 through 18) and from initiation of treatment to term (Days 6 through 28/29) were similar between the control group, Group No. 2, and Group No. 3. These three groups showed no gain (controls and Group No. 3 animals) or a 1% gain (Group No. 2) in body weight during treatment and a total change from initiation of treatment to term of +1% (controls), +4% (Group No. 2 animals), and -1% (Group No. 3 animals). The single pregnant Group No. 4 animal which survived



until term exhibited a 6% loss in body weight during treatment and a loss of 8% from initiation of treatment to term. Overall body weight changes from Day 0 through term show Group No. 2 animals gaining the most (+6%), Group No. 3 animals exhibiting similar mean body weights at initiation and termination for a net change of 0, and the Group No. 4 animal which survived and was pregnant showing an overall cumulative body weight loss of 8% during the study.

Figure No. 6 - Food consumption data for pregnant animals sacrificed at term.

Group No.			
1	2	3	4
g/kg/day			
Control	0.5	1.0	2.0
(13)	(15)	(12)	(1)*

Group Mean Values/Day at Selected Intervals (g.)

Day 0: Food	143	122	135	224
s.d.	35.3	56.7	47.8	-
Day 6: Food	158	129	107	137
s.d.	41.5	45.0	54.2	-
Day 10: Food	133	141	130	141
s.d.	64.6	60.0	56.3	-
Day 15: Food	123	137	137	45
s.d.	66.6	60.7	67.2	-
Day 18: Food	136	146	149	120
s.d.	69.2	69.0	69.5	-
Day 22: Food	102	133	143	114
s.d.	48.3	57.6	42.5	-
Day 27: Food	117	148	96	30
s.d.	70.5	37.4	58.9	-

* Data for the single pregnant survivor at the high level; standard deviation not possible.



Figure No. 6 - Continued

Group No.			
1	2	3	4
g/kg/day			
Control	0.5	1.0	2.0
(13)	(15)	(12)	(1)*

Total Group Mean Values/Day (g.)

Pretreatment Period

Days 0 thru 5: Food	176	170	168	234
±s.d.	26.5	48.2	30.0	-

Treatment Period

Days 6 thru 18: Food	132	139	124	87
±s.d.	43.8	53.8	51.7	-

Posttreatment Period

Days 19 thru 27/28: Food	115	136	123	63
±s.d.	47.0	42.0	41.7	-

Percent Decreases in Food Consumption (Comparison
With Pretreatment Total Group Mean Values)

Treatment Period	-25%	-18%	-26%	-63%
Posttreatment Period	-35%	-20%	-27%	-73%

* Data for the single pregnant survivor at the high level; standard deviation not possible.

Decreases in food consumption were evident among both control and test animals during the treatment and posttreatment periods, as compared to respective pretreatment total group mean values. The decreases observed for the Group No. 2 animals were less pronounced than those for the controls,



while Group No. 3 decreases were approximately the same as those for the controls. The single surviving pregnant animal at the high level showed greater decreases in food consumption than observed among any individual control animal during both the treatment and posttreatment periods.

Uterine and Ovarian Data

Uterine and ovarian data for each animal are presented in appended Table No. 2. Ratio calculations (number of implantation sites/number of corpora lutea X 100) were based only on those females which were pregnant. The calculated ratio values were similar between the control and test groups and were within normal limits for all groups. Ratio values were as follows: Control group, 74.4%; Group No. 2, 71.2%; Group No. 3, 70.3%; and Group No. 4, 81.8%. The cumulative mean ratio value and standard deviation for this parameter obtained from 21 control groups from the most recent studies performed in this laboratory is 76.6%, \pm 9.29%.

Uterine and Litter Data

The results of uterine and litter data for all pregnant animals are presented in appended Table No. 3. All data for females which died or aborted were excluded from calculation of group mean values. Uterine and litter data are summarized in Figure No. 7.



Figure No. 7 - Summary of uterine and litter data.

	Group No.			
	1	2	3	4
	g/kg/day			
	Control	0.5	1.0	2.0
Number of Does Included in Mean:	13	15	12	1*
Implantation Sites:				
Mean Number	8.5	7.5	7.5	(11)
±s.d.	2.93	3.18	2.50	-
Resorption Sites:				
Mean Number	0.6	0.5	0.5	(2)
±s.d.	1.19	1.06	0.67	-
Live Fetuses:				
Mean Number	7.3	6.5	6.2	(9)
±s.d.	3.45	3.42	3.04	-
Dead Fetuses:				
Mean Number	0.3	0.2	0.3	(0)
±s.d.	0.85	0.41	0.62	-
Incidence of Does With:				
Resorption Sites				
Number	4	4	5	(1)
Percent	31%	27%	42%	-
Dead Fetuses				
Number	2	1	2	(0)
Percent	15%	7%	17%	-

* Data for single pregnant survivor at the high level. Data for Group No. 4 not analyzed statistically.

The mean number of implantation sites, resorption sites, live fetuses, and dead fetuses for Groups No. 2 and No. 3 were comparable to that for the control group and were within normal limits; statistical analysis revealed no significant differences between control and test values. Historical data



for these parameters obtained from 41 control groups from similarly performed studies are as follows: implantation sites - cumulative mean (8.1) and range in values (5.0 to 10.0); resorption sites - cumulative mean (0.3) and range in values (0 to 1.1); live fetuses - cumulative mean (7.3) and range in values (4.6 to 9.7); and dead fetuses - cumulative mean (0.4) and range in values (0 to 1.2). For the one Group No. 4 litter born, findings were not remarkable.

Group mean fetal weights and lengths presented in Figure No. 8 were based on the number of litters. Some dead fetuses were too small for an accurate recording of measurements and the affected means are indicated in appended Table No. 3.

There were no statistically significant differences between the mean weights and lengths of the live fetuses in Groups No. 2 and No. 3 when compared with those values for the control group. Body weight and length data for fetuses from the Group No. 4 litter were within normal limits and were within the range for the control group.

Figure No. 8 - Group mean fetal weights and lengths.

	Group No.			
	1	2	3	4
	g/kg/day			
Control	0.5	1.0	2.0	

Live Fetuses

Number of Litters Included

in Mean:	12	13	11	1*
Group Mean Weight, grams	39.5	39.6	39.6	(31.4)
±s.d.	5.71	5.55	6.85	-
Group Mean Length, cm.	9.0	9.0	9.1	(9.2)
±s.d.	0.64	0.64	0.91	-

* Data for one litter only. Data for Group No. 4 not analyzed statistically.



Figure No. 8 - Continued

Group No.			
1	2	3	4
g/kg/day			
Control	0.5	1.0	2.0

Dead Fetuses

Number of Litters Included in Mean:	2	1	1	(0)
Group Mean Weight**, grams	11.3	8.1	18.8	-
Group Mean Length**, cm.	6.1	5.5	6.9	-

(Data for one litter only.)

** Statistical analysis not performed.

External and Visceral Fetal Data

There was no indication of a compound-related effect with regard to the external anatomy of the test fetuses. Remarkable observations were confined to dead control fetuses only and findings are presented in Figure No. 9; litters are identified by maternal rabbit number. No gross external irregularities were noted in any test fetus delivered by Caesarean section.

Figure No. 9 - Fetal external examination data.

Group No.	Rabbit Number	Observations
1 (control)	802, 29-C	1/3 Dead Fetuses - Eyelids partially opened.*
1 (control)	803, 29-C	1/1 Dead Fetus - Right hindleg and hip rotated inward.*

* Gross external irregularities observed were not evident at subsequent skeletal examinations. Skeletal evaluation of these and the majority of all other control and test dead fetuses revealed lesser development, generally, than that of live fetuses which were of larger size. Detailed skeletal findings are presented on Page No. 27.



Visceral examination of test fetuses revealed no evidence of a compound-related effect. Results of the visceral examinations by Wilson's technique are presented in Figure No. 10. Numbers in parentheses indicate the number of litters/number of fetuses examined.

Figure No. 10 - Fetal visceral examination data (Wilson's Technique).

	Group No.			
	1	2	3	4
	g/kg/day			
	Control	0.5	1.0	2.0
	(12/50)	(13/50)	(10/36)	(1/5)
All viscera appeared normal	48	48	35	5
Dilatation of one renal pelvis	2	1	1	0
Slight enlargement of the lateral ventricles of the brain	0	1	0	0

Skeletal Data for Fetuses

The results of the fetal skeletal examinations from control and test litters are presented in Figure No. 11. The skull, ribs, sternum, vertebrae, pelvic girdle, long bones, forepaws, and hindpaws of the animals were evaluated. Included in the figure are those bone structures which are consistently indicative of developmental variations. The skeletal evaluations are presented as the combined data, for fetuses delivered by Caesarean section on Days 28 or 29, for fetuses from litters of females which died (Control Rabbit No. 793, 27-D, and Group No. 2 Rabbit No. 827, 28-D), and for aborted fetuses (Group No. 3 Rabbit No. 850, 29-A). Variation in the number of fetuses examined (numbers in parentheses in Figure No. 11) reflects inability to accurately evaluate certain bone structures due to damage during processing.



EXPLANTATION OF FOOTNOTES
for Figure No. 11

* Grading of development of skull.

0 = no skull surface stained.

1 = approximately 25% of skull surface stained.

2 = approximately 50% of skull surface stained.

3 = approximately 75% of skull surface stained.

4 = approximately 100% of skull surface stained.

** Four fetuses from the single litter produced at the high level were processed for skeletal examination; incidences of the various developmental criteria for these few high level fetuses cannot be meaningfully compared with those for the more numerous control fetuses.

φ Single rib present on one side only of the vertebral column.

φφ Floating rib unattached to the vertebral column.

Figure No. 11 - Skeletal development of rabbit fetuses from litters of females serving as controls or receiving SC-19192. Numbers in parentheses indicate the number of fetuses evaluated. Incidence is expressed as number and percent of fetuses.

	INCIDENCE AS NUMBER					INCIDENCE AS PERCENT				
	GROUP NUMBER					GROUP NUMBER				
	1	2	3	4		1	2	3	4	
Number of Litters Examined	CONTROL	0.5 G/KG	1.0 G/KG	2.0 G/KG		CONTROL	0.5 G/KG	1.0 G/KG	2.0 G/KG	
(Number of Fetuses Examined)	13	14	12	1		13	14	12	1	
Skull	(55)	(57)	(41)	(4)		(55)	(57)	(41)	(4**)	
Closure Grading*:	0	0	0	0						
1	5	0	0	0		9				
2	4	0	1	0		7		2		
3	9	18	14	2		16	32	34	50	
4	37	39	26	2		67	68	63	50	
Interparietal Bone										
Underdeveloped	0	0	1	0				2		
Hyoid Bone										
Nonossified	8	1	1	0		15	2	2		
All Head Bones										
Underdeveloped	1	1	0	0		2	2			
Ribs										
Pairs 12	38	49	31	3		69	86	76	75	
Pairs 13	17	8	10	1		31	14	24	25	
Single	4	8	8	2		7	14	20	50	
Small	6	5	8	2		11	9	20	50	
Floating	1	3	4	0		2	5	10		
Curved	0	1	0	0			2			
Thickened	0	1	0	0			2			
Vertebrae										
Total Number Nonossified	(54)	(56)	(40)	(4)		(54)	(56)	(40)	(4)	
Sacral:										
Centra 1	1	1	0	0		2	2			
Dorsal Arches 1	1	0	0	0		2				
Caudal										
Centra 1-3	8	11	0	0		15	20			
4	1	0	0	0		2				
8-10	4	0	0	0		7				
16	1	1	0	0		2	2			
Dorsal Arches 9	41	48	34	4		76	86	85	100	
10-11	12	7	6	0		22	13	15		
15-16	1	1	0	0		2	2			

Figure No. 11 - Continued

	INCIDENCE AS NUMBER				INCIDENCE AS PERCENT			
	1	2	3	4	1	2	3	4
Number of Litters Examined								
(Number of Fetuses Examined)								
Vertebrae (Cont.)								
Seven Lumbar Vertebrae	0	2	0	1		4		25
Sternum								
Ossification Centers:								
Absent - 1st	1	0	0	0				
2nd	2	0	0	0				
3rd	1	0	0	0				
4th	1	0	0	0				
5th	10	8	2	2				
6th	4	0	2	0				
Small - 1st	0	1	0	0				
2nd	0	1	0	0				
3rd	0	1	0	0				
4th	0	1	0	0				
5th	5	6	9	0				
6th	0	1	1	0				
Split - 1st thru 6th	0	0	0	0				
Long Bones								
Partially Nonossified	(55) 0	(57) 1	(41) 0	(4) 0	(55) 2	(57) 2	(41) 2	(4) 2
Pelvis								
Ossification Centers:								
Absent - Right Pubis	9	2	0	0		4		
Left Pubis	9	2	0	0		4		
Forepaws								
Ossification Centers:								
Total Number Absent	55	57	41	4	100	100	100	100
Carpus 16								

Figure No. 11 - Continued

	INCIDENCE AS NUMBER				INCIDENCE AS PERCENT			
	1	2	3	4	1	2	3	4
	CONTROL	0.5 G/KG	1.0 G/KG	2.0 G/KG	CONTROL	0.5 G/KG	1.0 G/KG	2.0 G/KG
Number of Litters Examined	13	14	12	1	13	14	12	1
(Number of Fetuses Examined)	(55)	(57)	(41)	(4)	(55)	(57)	(41)	(4)
Forepaws (Cont.)								
Metacarpus 1-2	0	0	0	0				
3-4	1	1	0	0	2	2		
5-10	1	0	0	0	2			
Phalanges 1-15	7	8	1	0	13	14	2	
16-20	2	0	0	0	4			
21-28	0	1	0	0		2		
Hindpaws								
Ossification Centers:								
Total Number Absent								
Tarsus 8	46	48	40	4	84	84	98	100
10	4	8	1	0	7	14	2	
12	5	1	0	0	9	2		
Metatarsus 1-2	1	1	1	0	2	2	2	
3-4	0	0	0	0				
5-8	2	0	0	0	4			
Phalanges 1-15	6	6	1	0	11	11	2	
16-20	1	1	0	0	2	2		
21-24	0	0	0	0				



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Skeletal evaluations revealed no consistent unusual findings among the test fetuses and no trends toward greater or lesser development were seen in the test groups, as compared to the control group. The number of fetuses (4) produced by the single high level pregnant survivor was too small to permit meaningful comparison with the controls. In general, lesser development and ossification was evident among dead control and test fetuses as compared to live fetuses which were of larger size. There were no meaningful differences between the developmental indices for the control and test groups.

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NOTE: The research described in this report involved animals maintained in animal care facilities fully accredited by the American Association for Accreditation of Laboratory Animal Care.

EXPLANATION FOR FOOTNOTES

Code placed after individual maternal rabbit numbers indicates the following:

P = Pregnant.

NP = Not pregnant.
(for purposes of this report, pregnancy is defined as "grossly visible implantation sites or products thereof in the endometrium.")

C = Cesarean delivery; sacrifice of doe on gestation day indicated.

D = Death of female on day indicated.

A = Abortion, first evidence on day indicated.

Tables No. 1 and No. 1A

* = Group mean data for females found pregnant at Cesarean delivery only; data for females which aborted, died, or were nonpregnant were excluded from calculation of group mean values.

() = Body weight in parentheses is terminal weight of animal which died; day recorded is indicated.

** = High level Female No. 869 was the only animal of its group to survive until Cesarean section and produce a live litter; therefore, standard deviation not possible.

Table No. 2

* = Only those females which were pregnant were included in ratio calculations.

EXPLANATION FOR FOOTNOTES (Continued)

Table No. 3

- * = Total postimplantation loss; no evidence of fetuses or resorption sites found.
- ** = Evidence of development of conceptus observed at each implantation site; however, further classification regarding stage of development could not be made.
- ∅ = One or more implantation sites unaccounted for.
- ∅∅ = No weight or length recorded for any dead fetuses in litter.
- / = Indicates number of fetuses (sample size) for mean so designated when less than total number of dead fetuses found.
- # = Some dead fetuses were too small or mutilated to measure weight and/or length; statistical analysis was not performed on group mean weights and lengths of dead fetuses.
- ## = Purulent material present at each implantation site; no other evidence found of fetuses and no evidence of resorption sites.
- ⊕ = High level Female No. 869 was the only animal of its group to survive until Caesarean section and produce a live litter; therefore, statistical comparisons with the control group were not possible at the high level.

Table No. 1 - Individual and mean body weight data in grams for rabbits serving as controls or receiving SC-19192

MATERNAL RABBIT NO.		GROUP NO. 1 - CONTROL						
		DAY OF GESTATION						
		0	6	10	15	18	22	28/29
789	P, 28-C	4272	4135	4055	4040	4095	4086	4140
790	P, 28-C	4470	4487	4480	4535	4565	4660	4577
794	P, 28-C	3947	4086	3973	4074	4165	4214	3990
795	P, 28-C	4419	4353	4276	4376	4390	4510	4580
798	P, 28-C	4314	4300	4219	4282	4249	4405	4310
799	P, 28-C	3354	3457	3421	3549	3537	3585	3750
801	P, 29-C	4358	4250	4190	4320	4323	4381	4303
802	P, 29-C	4551	4588	4603	4682	4810	4570	4355
803	P, 29-C	4054	4057	3768	3779	3820	3892	3985
805	P, 29-C	5070	5109	5055	5228	4967	4820	4745
807	P, 29-C	3981	4230	4012	4179	4212	4140	4382
808	P, 29-C	3146	3742	3807	3984	4070	4171	4219
809	P, 29-C	4004	4157	3992	3970	3838	4045	4145
Mean*		4149	4227	4142	4231	4234	4268	4268
±s.d.		500.7	396.6	411.7	426.6	395.4	336.5	274.4
791	P, 10-D	4630	4560	(4235 Day 10)	-	-	-	-
792	P, 22-A, 29-C	3582	3930	3921	3267	3120	2776	2670
793	P, 27-D	3336	3472	3304	3129	3087	2937	(2360 Day 27)
796	P, 8-D	4034	(4250 Day 6)	-	-	-	-	-
797	P, 16-D	4615	4795	4780	4577	(4511 Day 16)	-	-
800	P, 14-D	3413	3452	3214	(3010 Day 14)	-	-	-
804	P, 16-D	3611	4030	3942	3424	(3308 Day 16)	-	-
806	NP, 29-C	2965	3228	3182	3312	3280	3432	3485

Table No. 1 - Continued

GROUP NO. 2 - 0.5 G/KG/DAY

MATERNAL RABBIT NO.		DAY OF GESTATION							
		0	6	10	15	18	22	28/29	
810	P, 28-C	3104	3485	3500	3530	3587	3600	3650	
811	P, 28-C	4843	4990	4930	4940	4996	5116	5055	
812	P, 28-C	3210	3677	3730	3857	3892	3898	4035	
813	P, 28-C	4469	4565	4522	4598	4645	4310	4400	
814	P, 28-C	3679	3775	3678	3845	4052	4105	4165	
815	P, 28-C	5276	5374	5326	5533	5560	5780	5798	
816	P, 29-C	5075	5061	5206	5282	5423	5470	5475	
817	P, 29-C	4232	4383	4372	3992	3854	4020	4320	
818	P, 29-C	4025	4015	3842	3780	3881	3975	3975	
819	P, 29-C	4541	4660	4613	4705	4507	4530	4700	
820	P, 29-C	4418	4312	4242	4336	4395	4360	4315	
821	P, 29-C	4245	4259	4283	4180	4184	4410	4485	
824	P, 29-C	5508	5317	5370	5469	5363	5575	5430	
825	P, 29-C	4020	4273	4340	4490	4490	4594	4855	
829	P, 29-C	3863	3920	3892	3879	3864	3950	4012	
Mean*		4301	4404	4390	4428	4446	4513	4578	
±s.d.		695.1	588.1	608.2	646.9	636.0	672.0	628.2	
822	P, 10-D	4623	4868	(4530 Day 10)	-	-	-	-	
827	P, 28-D	4183	4185	4232	4379	4405	4391	(3800 Day 28)	
828	P, 11-D	4146	4298	3879	(3830 Day 11)	-	-	-	
823	NP, 8-D	3360	3558	(3447 Day 8)	-	-	-	-	
826	NP, 29-C	2956	3363	3444	3649	3652	3772	3920	
830	NP, 29-C	3407	3410	3393	3406	3391	3438	3386	

Table No. 1 - Continued

GROUP NO. 3 - 1.0 G/KG/DAY

MATERNAL RABBIT NO.		DAY OF GESTATION						
		0	6	10	15	18	22	28/29
832	P, 28-C	4247	4183	4160	4240	4304	4428	4430
833	P, 28-C	4015	4162	4111	4160	4145	4245	4265
836	P, 28-C	4747	4758	4830	4986	5090	5293	4695
837	P, 28-C	3100	3307	3255	3350	3479	3541	3537
838	P, 28-C	4982	4771	4632	4540	4737	4843	4876
839	P, 28-C	4728	4757	4545	4555	4650	4722	4612
841	P, 29-C	3966	4227	3925	4140	4271	4437	4535
844	P, 29-C	4906	4912	4845	4830	4872	4860	4660
845	P, 29-C	3429	3478	3565	3710	3760	3980	4075
848	P, 29-C	4595	4665	4620	4740	4775	4942	4911
849	P, 29-C	4321	4353	4285	4300	4450	4427	4200
851	P, 29-C	4325	4261	3915	3420	3274	3200	2767
Mean*		4280	4320	4224	4248	4317	4410	4297
±s.d.		579.4	508.8	500.7	531.6	568.3	601.7	614.5
835	P, 18-D	4500	4554	4538	4454	(4187 Day 18)	-	-
843	P, 14-D	4958	4854	4728	(4296 Day 14)	-	-	-
847	P, 18-D	4102	4078	4120	3715	(3270 Day 18)	-	-
850	P, 29-A, 29-C	4265	4360	4340	4218	4216	3892	3463
852	P, 13-D	4481	4410	4300	(4075 Day 13)	-	-	-
831	NP, 9-D	5668	5634	(5360 Day 9)	-	-	-	-
834	NP, 6-D	3910	(3864 Day 6)	-	-	-	-	-
840	NP, 29-C	4730	4649	4505	4480	4587	4706	4815
842	NP, 29-C	4847	4610	4605	4570	4559	4663	4735
846	NP, 29-C	4474	4663	4678	4748	4696	5048	5137

Table No. 1 - Continued

GROUP NO. 4 - 2.0 G/KG/DAY

MATERNAL RABBIT NO.		DAY OF GESTATION						
		0	6	10	15	18	22	28/29
869**	P, 29-C	5028	5039	4900	4590	4733	4850	4618
853	P, 8-D	5173	4830	(4584 Day 8)	-	-	-	-
854	P, 18-D	4070	4164	3950	3645	(3521 Day 18)	-	-
856	P, 11-D	5493	5380	(5265 Day 10)	-	-	-	-
859	P, 15-D	4709	4633	4386	(4010 Day 15)	-	-	-
860	P, 15-D	5808	5907	5531	(5176 Day 15)	-	-	-
861	P, 11-D	3448	3575	(3080 Day 10)	-	-	-	-
863	P, 10-D	3920	3955	(3660 Day 10)	-	-	-	-
864	P, 16-D	4362	4553	4410	(4182 Day 15)	-	-	-
865	P, 14-D	4401	4282	4040	(3535 Day 14)	-	-	-
866	P, 16-D	4442	4381	4020	(3910 Day 15)	-	-	-
870	P, 13-D	3947	3799	3460	(3283 Day 13)	-	-	-
871	P, 20-D	4812	4734	4505	4250	(3520 Day 18)	-	-
872	P, 17-D	4570	4404	4376	4160	(3873 Day 17)	-	-
873	P, 16-D	3798	3793	3285	(3158 Day 15)	-	-	-
855	NP, 7-D	4394	4287	(4305 Day 8)	-	-	-	-
857	NP, 16-D	4300	3977	3789	(3670 Day 15)	-	-	-
858	NP, 28-C	3156	3402	3440	3640	3592	3900	3940
862	NP, 14-D	4399	4319	3790	(3650 Day 14)	-	-	-
867	NP, 17-D	4134	4340	4090	3798	(3760 Day 17)	-	-
868	NP, 15-D	3218	3512	2980	(2800 Day 15)	-	-	-

Table No. 1A - Individual and mean food consumption data in grams for rabbits serving as controls or receiving SC-19192

GROUP NO. 1 - CONTROL

MATERNAL RABBIT NO.		PRETREATMENT					DAY OF GESTATION					TREATMENT PERIOD				
		0	1	2	3	4	5	6	7	8	9	10	11			
789	P, 28-C	120	143	150	143	148	120	104	121	80	95	115	100			
790	P, 28-C	118	180	190	186	200	210	171	195	158	140	151	105			
794	P, 28-C	150	186	155	151	131	165	141	158	138	80	120	115			
795	P, 28-C	90	180	143	170	168	185	67	165	133	115	151	115			
798	P, 28-C	112	156	136	160	159	225	123	180	147	105	140	121			
799	P, 28-C	157	184	175	185	177	192	156	160	129	120	150	124			
801	P, 29-C	150	162	131	133	149	170	153	165	132	100	115	127			
802	P, 29-C	178	204	226	213	214	235	186	234	192	170	190	210			
803	P, 29-C	175	194	158	170	184	205	169	182	24	0	0	36			
805	P, 29-C	220	206	217	204	193	220	184	211	113	140	205	195			
807	P, 29-C	125	155	165	166	192	295	176	207	132	20	20	0			
808	P, 29-C	150	240	216	216	235	300	193	240	230	195	230	220			
809	P, 29-C	109	186	181	189	187	230	226	182	163	130	140	83			
Mean*		143	183	173	176	180	208	158	185	136	108	133	119			
±s.d.		35.3	25.7	31.8	26.0	28.8	44.1	41.5	32.9	49.7	53.7	64.6	62.8			
791	P, 10-D	143	175	145	157	151	160	123	46	0	0	-	-			
792	P, 22-A,															
793	P, 27-D	185	240	209	222	241	255	200	255	217	165	32	0			
796	P, 8-D	150	210	171	190	220	185	191	168	127	101	80	6			
797	P, 16-D	133	140	108	127	125	120	114	47	-	-	-	-			
800	P, 14-D	220	268	225	237	244	230	197	219	211	182	215	191			
804	P, 16-D	140	172	108	3	176	155	86	193	16	0	0	0			
		156	235	200	208	200	235	172	200	200	118	35	60			
806	NP, 29-C	130	172	201	198	190	210	127	171	165	140	145	170			

Table No. 1A - Continued

GROUP NO. 1 - CONTROL (Continued)

MATERNAL RABBIT NO.		TREATMENT PERIOD DAY OF GESTATION							POSTTREATMENT PERIOD	
		12	13	14	15	16	17	18	19	20
789	P, 28-C	45	65	80	100	95	107	109	95	50
790	P, 28-C	112	132	120	115	85	130	140	160	170
794	P, 28-C	158	165	110	150	142	170	146	133	151
795	P, 28-C	133	115	85	100	104	112	135	150	174
798	P, 28-C	127	150	151	167	125	110	170	151	182
799	P, 28-C	140	140	120	110	102	107	160	140	162
801	P, 29-C	90	120	125	135	134	130	176	180	166
802	P, 29-C	210	200	170	181	210	213	216	159	95
803	P, 29-C	20	60	80	82	100	51	88	100	150
805	P, 29-C	195	185	165	15	34	36	0	155	27
807	P, 29-C	65	125	125	176	177	184	147	125	130
808	P, 29-C	225	237	245	253	246	256	253	249	275
809	P, 29-C	54	38	0	10	8	10	25	42	140
Mean*		121	133	121	123	120	124	136	141	144
±s.d.		65.0	56.9	57.8	66.6	65.0	70.0	69.2	48.4	62.1
791	P, 10-D	-	-	-	-	-	-	-	-	-
792	P, 22-A	-	-	-	-	-	-	-	-	-
793	29-C	0	0	0	0	0	0	0	6	6
796	P, 27-D	32	45	21	35	10	19	0	50	36
797	P, 8-D	-	-	-	-	-	-	-	-	-
797	P, 16-D	175	165	5	0	-	-	-	-	-
800	P, 14-D	0	0	-	-	-	-	-	-	-
804	P, 16-D	0	0	0	0	-	-	-	-	-
806	NP, 29-C	170	165	170	170	100	53	59	152	208

Table No. 1A - Continued
GROUP NO. 1 - CONTROL (Continued)

MATERNAL RABBIT NO.	POSTTREATMENT PERIOD									
	DAY OF GESTATION									
	21	22	23	24	25	26	27	28		
789	P, 28-C	40	50	66	70	50	89	112	-	-
790	P, 28-C	129	94	96	75	38	45	20	-	-
794	P, 28-C	138	124	141	105	75	59	42	-	-
795	P, 28-C	162	156	151	110	139	146	170	-	-
798	P, 28-C	154	140	156	145	143	175	135	-	-
799	P, 28-C	154	142	188	210	205	234	230	-	-
801	P, 29-C	110	93	65	80	82	119	120	-	50
802	P, 29-C	50	11	0	0	12	14	6	-	40
803	P, 29-C	120	87	104	85	75	101	90	-	54
805	P, 29-C	47	80	56	45	40	50	86	-	50
807	P, 29-C	146	40	95	100	130	120	175	-	112
808	P, 29-C	210	144	136	155	215	218	223	-	180
809	P, 29-C	152	166	116	45	118	100	118	-	149
Mean*		124	102	105	94	102	113	117	-	91
±s.d.		50.7	48.3	50.6	54.0	63.3	66.4	70.5	-	56.4
791	P, 10-D	-	-	-	-	-	-	-	-	-
792	P, 22-A, 29-C	0	0	0	0	19	37	0	-	-
793	P, 27-D	0	0	0	0	5	0	-	-	-
796	P, 8-D	-	-	-	-	-	-	-	-	-
797	P, 16-D	-	-	-	-	-	-	-	-	-
800	P, 14-D	-	-	-	-	-	-	-	-	-
804	P, 16-D	-	-	-	-	-	-	-	-	-
806	NP, 29-C	180	149	134	145	170	191	152	-	142

Table No. 1A - Continued

GROUP NO. 1 - CONTROL (Continued)		TOTAL MEAN VALUES/DAY					
		DAYS 0 THRU 5		DAYS 6 THRU 18		DAYS 19 THRU 27/28	
		MEAN	±S.D.	MEAN	±S.D.	MEAN	±S.D.
MATERNAL RABBIT NO.							
789 P, 28-C	137	13.7		94	21.2	69	24.6
790 P, 28-C	181	32.5		135	29.3	92	53.3
794 P, 28-C	156	18.3		137	25.5	108	39.6
795 P, 28-C	156	35.4		118	26.3	151	19.0
798 P, 28-C	158	37.7		140	23.6	153	15.8
799 P, 28-C	178	12.1		132	20.3	185	36.8
801 P, 29-C	149	15.4		131	23.7	107	41.8
802 P, 29-C	212	19.7		199	19.1	39	51.6
803 P, 29-C	181	17.0		69	57.6	97	25.9
805 P, 29-C	210	10.9		129	80.1	64	36.6
807 P, 29-C	170	31.0		120	70.4	117	35.5
808 P, 29-C	226	48.4		233	21.4	201	45.8
809 P, 29-C	180	39.3		82	77.2	115	42.5
Mean*	176	-		132	-	115	-
±s.d.	26.5	-		43.8	-	47.0	-
791 P, 10-D	155	11.7		42	58.0	-	-
792 P, 22-A,							
29-C	225	25.5		67	100.9	8	12.7
793 P, 27-D	188	25.5		64	63.9	11	19.9
796 P, 8-D	126	11.0		81	47.4	-	-
797 P, 16-D	237	17.3		156	82.8	-	-
800 P, 14-D	126	65.0		37	69.7	-	-
804 P, 16-D	206	29.2		79	86.1	-	-
806 NP, 29-C	184	29.2		139	42.5	162	24.0

Table No. 1A - Continued
GROUP NO. 2 - 0.5 G/KG/DAY

MATERNAL RABBIT NO.		PRETREATMENT					TREATMENT PERIOD									
		DAY OF GESTATION														
		0	1	2	3	4	5	6	7	8	9	10	11			
810	P, 28-C	150	177	190	192	200	225	163	211	188	160	176	182			
811	P, 28-C	105	228	235	246	256	280	200	238	227	190	196	185			
812	P, 28-C	175	180	171	200	221	285	145	221	221	182	201	175			
813	P, 28-C	102	220	200	183	123	220	96	145	164	110	121	100			
814	P, 28-C	70	143	153	146	155	142	59	75	79	60	85	20			
815	P, 28-C	188	240	235	228	218	245	140	208	218	173	205	180			
816	P, 29-C	190	253	225	228	208	255	209	247	237	188	210	221			
817	P, 29-C	117	160	148	160	170	205	125	167	170	110	82	18			
818	P, 29-C	43	74	64	73	48	92	57	30	26	105	6	6			
819	P, 29-C	186	215	193	196	184	245	175	211	189	140	160	140			
820	P, 29-C	11	35	74	113	124	155	92	115	142	90	120	115			
821	P, 29-C	94	167	124	132	160	240	125	182	144	150	62	14			
824	P, 29-C	167	150	161	159	150	190	118	150	162	155	170	174			
825	P, 29-C	75	145	155	166	153	200	104	175	167	135	170	170			
829	P, 29-C	160	193	177	179	186	225	131	173	174	125	150	139			
Mean*		122	172	167	173	170	214	129	170	167	138	141	123			
±s.d.		56.7	59.5	51.3	45.9	50.2	52.3	45.0	60.3	55.9	38.3	60.0	73.7			
822	P, 10-D	190	228	202	234	223	255	153	181	12	0	-	-			
827	P, 28-D	160	200	166	169	170	210	131	165	178	135	162	140			
828	P, 11-D	145	202	145	200	208	245	0	0	5	0	0	-			
823	NP, 8-D	236	235	183	200	41	20	0	0	-	-	-	-			
826	NP, 29-C	68	177	183	200	205	235	132	175	176	165	200	182			
830	NP, 29-C	104	127	127	134	131	165	75	105	114	95	112	85			

Table No. 1A - Continued

GROUP NO. 2 - 0.5 G/KG/DAY (Continued)

MATERNAL RABBIT NO.		TREATMENT PERIOD							POSTTREATMENT PERIOD	
		12	13	14	15	16	17	18	19	20
810	P, 28-C	195	172	155	172	171	166	165	153	150
811	P, 28-C	175	163	90	141	167	203	214	200	220
812	P, 28-C	203	202	185	192	181	194	193	180	190
813	P, 28-C	80	86	85	115	114	106	169	60	21
814	P, 28-C	58	65	120	140	150	160	147	155	186
815	P, 28-C	215	215	210	226	229	220	231	230	248
816	P, 29-C	238	253	225	240	240	270	242	230	256
817	P, 29-C	20	0	0	0	15	0	10	0	25
818	P, 29-C	0	20	40	52	55	59	80	105	148
819	P, 29-C	135	150	165	127	55	16	20	25	100
820	P, 29-C	112	115	95	122	128	146	153	75	141
821	P, 29-C	20	103	90	113	127	117	140	140	195
824	P, 29-C	167	180	165	152	121	131	190	195	200
825	P, 29-C	172	175	150	156	104	90	137	150	165
829	P, 29-C	123	130	120	110	58	109	105	110	195
Mean*		128	135	126	137	127	132	146	133	160
±s.d.		76.9	71.2	61.7	60.7	65.0	74.3	69.0	70.7	69.1
822	P, 10-D	-	-	-	-	-	-	-	-	-
827	P, 28-D	132	160	135	162	141	163	172	160	140
828	P, 11-D	-	-	-	-	-	-	-	-	-
823	NP, 8-D	-	-	-	-	-	-	-	-	-
826	NP, 29-C	203	190	185	201	135	166	171	165	195
830	NP, 29-C	118	130	100	122	82	94	88	100	110

Table No. 1A - Continued

GROUP NO. 2 - 0.5 G/KG/DAY (Continued)

MATERNAL RABBIT NO.		POSTTREATMENT PERIOD							
		DAY OF GESTATION							
		21	22	23	24	25	26	27	28
810	P, 28-C	60	91	125	100	121	121	122	-
811	P, 28-C	205	196	194	180	130	145	150	-
812	P, 28-C	114	99	93	105	103	116	130	-
813	P, 28-C	18	0	39	40	75	73	96	-
814	P, 28-C	155	140	78	210	140	154	120	-
815	P, 28-C	220	220	197	200	170	174	164	-
816	P, 29-C	214	192	216	170	160	169	173	120
817	P, 29-C	107	73	128	150	155	177	216	142
818	P, 29-C	147	136	131	104	20	92	88	75
819	P, 29-C	86	81	114	111	112	119	145	107
820	P, 29-C	111	109	56	50	70	94	106	60
821	P, 29-C	141	155	160	120	95	105	170	115
824	P, 29-C	200	180	192	135	170	92	187	125
825	P, 29-C	160	156	152	150	145	155	194	120
829	P, 29-C	175	160	44	155	175	180	160	216
Mean*		141	133	128	125	123	131	148	120
±s.d.		58.8	57.6	57.7	46.0	44.2	35.9	37.4	44.1
822	P, 10-D	-	-	-	-	-	-	-	-
827	P, 28-D	80	10	11	0	0	0	0	-
828	P, 11-D	-	-	-	-	-	-	-	-
823	NP, 8-D	-	-	-	-	-	-	-	-
826	NP, 29-C	180	184	180	153	158	161	180	160
830	NP, 29-C	116	109	106	107	105	110	127	77

Table No. 1A - Continued
GROUP NO. 2 - 0.5 G/KG/DAY (Continued)

MATERNAL RABBIT NO.	TOTAL MEAN VALUES/DAY					
	DAYS 0 THRU 5		DAYS 6 THRU 18		DAYS 19 THRU 27/28	
	MEAN	±S.D.	MEAN	±S.D.	MEAN	±S.D.
810 P, 28-C	189	24.9	175	15.6	116	29.0
811 P, 28-C	225	61.5	184	38.7	180	31.0
812 P, 28-C	205	43.3	192	19.9	126	35.5
813 P, 28-C	175	50.5	115	28.7	47	31.4
814 P, 28-C	135	32.2	94	44.5	149	37.5
815 P, 28-C	226	20.7	205	26.1	203	29.2
816 P, 29-C	227	25.3	232	21.4	190	39.6
817 P, 29-C	160	28.7	55	66.3	117	67.4
818 P, 29-C	66	18.1	41	30.9	105	39.2
819 P, 29-C	203	23.3	129	61.6	100	31.8
820 P, 29-C	85	55.3	119	19.9	87	29.6
821 P, 29-C	153	50.2	107	49.4	140	31.3
824 P, 29-C	163	14.9	157	22.0	168	37.4
825 P, 29-C	149	41.1	147	30.2	155	18.3
829 P, 29-C	187	21.8	127	30.2	153	46.5
Mean*	170	-	139	-	136	-
±s.d.	48.2	-	53.8	-	42.0	-
822 P, 10-D	222	23.2	87	93.8	-	-
827 P, 28-D	179	20.6	152	16.6	45	65.1
828 P, 11-D	191	39.1	1	2.2	-	-
823 NP, 8-D	153	96.9	-	-	-	-
826 NP, 29-C	178	57.6	175	22.6	172	13.9
830 NP, 29-C	131	19.6	102	16.9	107	12.7

Table No. 1A - Continued
GROUP NO. 3 - 1.0 G/KG/DAY

MATERNAL RABBIT NO.	PRETREATMENT				DAY OF GESTATION						TREATMENT PERIOD					
	0	1	2	3	4	5	6	7	8	9	10	11				
832	P, 28-C	156	175	147	156	163	175	96	111	131	105	136	122			
833	P, 28-C	145	204	160	160	180	232	120	145	158	110	126	120			
836	P, 28-C	120	228	177	217	216	260	183	230	227	190	220	205			
837	P, 28-C	132	147	154	153	143	175	113	130	120	115	140	140			
838	P, 28-C	125	110	107	65	139	180	103	79	38	30	70	61			
839	P, 28-C	176	210	175	185	180	200	7	71	100	85	115	115			
841	P, 29-C	28	156	160	173	164	205	0	14	31	35	105	121			
844	P, 29-C	160	215	182	200	196	240	157	155	160	120	131	45			
845	P, 29-C	70	73	101	52	175	205	137	205	184	141	170	175			
848	P, 29-C	208	232	171	133	179	255	144	175	172	165	180	181			
849	P, 29-C	165	213	178	185	186	200	113	90	152	120	165	125			
851	P, 29-C	135	167	165	200	170	190	105	45	0	0	0	20			
Mean*	135	178	156	157	174	210	210	107	121	123	101	130	120			
±s.d.	47.8	49.5	26.6	51.5	21.1	30.0	54.2	64.8	68.6	56.0	56.3	54.4	54.4			
835	P, 18-D	198	204	174	185	178	230	125	175	172	130	160	140			
843	P, 14-D	192	218	199	200	189	205	109	160	171	0	0	0			
847	P, 18-D	153	200	137	171	180	185	133	146	148	110	102	55			
850	P, 29-A, 29-C	206	201	164	183	208	250	182	211	209	125	115	90			
852	P, 13-D	160	209	170	180	175	220	95	150	157	101	121	20			
831	NP, 9-D	146	190	190	186	182	220	0	5	0	-	-	-			
834	NP, 6-D	135	150	116	148	133	175	-	-	-	-	-	-			
840	NP, 29-C	170	163	150	166	118	190	54	80	118	80	95	75			
842	NP, 29-C	133	165	168	159	158	160	98	107	89	85	121	100			
846	NP, 29-C	60	213	209	217	219	255	130	217	185	165	200	190			

Table No. 1A - Continued

GROUP NO. 3 - 1.0 G/KG/DAY (Continued)

MATERNAL RABBIT NO.		TREATMENT PERIOD							POSTTREATMENT PERIOD		
		DAY OF GESTATION									
		12	13	14	15	16	17	18	19	20	
832	P, 28-C	126	130	125	150	140	166	220	280	205	
833	P, 28-C	120	120	100	93	70	90	119	130	162	
836	P, 28-C	213	200	195	250	222	222	237	240	238	
837	P, 28-C	139	165	170	170	165	166	162	160	162	
838	P, 28-C	65	76	55	80	105	114	171	165	180	
839	P, 28-C	120	48	75	73	100	127	142	140	165	
841	P, 29-C	115	153	180	189	187	186	200	205	220	
844	P, 29-C	40	62	85	122	70	53	121	110	144	
845	P, 29-C	170	173	160	172	160	154	155	170	200	
848	P, 29-C	175	195	175	195	175	194	206	205	242	
849	P, 29-C	110	107	100	146	160	172	50	110	180	
851	P, 29-C	0	0	0	0	0	17	0	11	15	- 46 -
Mean*		116	119	118	137	130	138	149	161	176	
±s.d.		59.0	62.6	59.6	67.2	62.1	60.6	69.5	69.7	59.6	
835	P, 18-D	130	110	20	22	0	0	-	-	-	
843	P, 14-D	0	0	-	-	-	-	-	-	-	
847	P, 18-D	0	0	0	0	0	0	-	-	-	
850	P, 29-A, 29-C	65	70	40	28	45	27	30	23	6	
852	P, 13-D	0	-	-	-	-	-	-	-	-	
831	NP, 9-D	-	-	-	-	-	-	-	-	-	
834	NP, 6-D	-	-	-	-	-	-	-	-	-	
840	NP, 29-C	130	120	125	133	146	140	181	140	175	
842	NP, 29-C	135	152	135	152	153	126	56	95	136	
846	NP, 29-C	190	200	195	196	188	134	184	200	235	

Table No. 1A - Continued

GROUP NO. 3 - 1.0 G/KG/DAY (Continued)

MATERNAL RABBIT NO.	POST-TREATMENT PERIOD								
	DAY OF GESTATION								
	21	22	23	24	25	26	27	28	
832	P, 28-C	178	115	132	106	95	106	100	-
833	P, 28-C	153	151	127	120	123	120	116	-
836	P, 28-C	240	204	151	5	7	0	0	-
837	P, 28-C	156	120	161	111	125	114	126	-
838	P, 28-C	150	106	132	50	107	91	95	-
839	P, 28-C	148	160	154	112	115	96	95	-
841	P, 29-C	190	184	184	145	102	188	180	84
844	P, 29-C	108	98	109	60	20	16	18	53
845	P, 29-C	186	160	180	108	95	101	145	104
848	P, 29-C	210	191	196	160	83	96	180	165
849	P, 29-C	152	160	138	90	70	56	71	58
851	P, 29-C	25	62	36	0	0	0	30	22
Mean*		158	143	142	89	79	82	96	81
±s.d.		54.0	42.5	42.1	50.6	44.9	55.2	58.9	49.8
835	P, 18-D	-	-	-	-	-	-	-	-
843	P, 14-D	-	-	-	-	-	-	-	-
847	P, 18-D	-	-	-	-	-	-	-	-
850	P, 29-A, 29-C	0	0	0	0	50	16	90	0
852	P, 13-D	-	-	-	-	-	-	-	-
831	NP, 9-D	-	-	-	-	-	-	-	-
834	NP, 6-D	-	-	-	-	-	-	-	-
840	NP, 29-C	146	126	140	132	190	174	189	132
842	NP, 29-C	160	152	159	150	165	175	194	125
846	NP, 29-C	200	181	205	220	215	212	216	165

Table No. 1A - Continued
GROUP NO. 3 - 1.0 G/KG/DAY (Continued)

MATERNAL RABBIT NO.	TOTAL MEAN VALUES/DAY					
	DAYS 0 THRU 5		DAYS 6 THRU 18		DAYS 19 THRU 27/28	
	MEAN	±S.D.	MEAN	±S.D.	MEAN	±S.D.
832 P, 28-C	162	11.3	135	31.4	146	62.8
833 P, 28-C	180	32.6	115	23.0	134	17.2
836 P, 28-C	203	48.6	215	19.5	121	114.8
837 P, 28-C	151	14.3	146	21.7	137	21.9
838 P, 28-C	121	38.1	81	36.7	120	40.9
839 P, 28-C	188	14.2	91	36.5	132	27.5
841 P, 29-C	148	61.2	117	73.9	168	44.2
844 P, 29-C	199	24.4	102	44.3	74	46.2
845 P, 29-C	113	62.6	166	17.0	145	39.8
848 P, 29-C	196	44.3	180	16.0	173	49.8
849 P, 29-C	188	16.8	124	34.6	109	46.0
851 P, 29-C	171	22.6	14	30.3	20	19.6
Mean*	168	-	124	-	123	-
±s.d.	30.0	-	51.7	-	41.7	-
835 P, 18-D	195	20.7	99	68.1	-	-
843 P, 14-D	201	10.3	55	77.9	-	-
847 P, 18-D	171	22.8	58	64.9	-	-
850 P, 29-A,						
29-C	202	28.7	95	68.2	19	29.8
852 P, 13-D	186	23.6	92	60.8	-	-
831 NP, 9-D	186	23.7	2	2.9	-	-
834 NP, 6-D	143	20.0	-	-	-	-
840 NP, 29-C	160	24.1	114	35.1	154	24.9
842 NP, 29-C	157	12.4	116	29.9	151	27.5
846 NP, 29-C	196	68.4	180	26.0	205	20.1

Table No. 1A - Continued
GROUP NO. 4 - 2.0 G/KG/DAY

MATERNAL RABBIT NO.		PRETREATMENT					DAY OF GESTATION					TREATMENT PERIOD				
		0	1	2	3	4	5	6	7	8	9	10	11			
869**	P, 29-C	224	270	218	252	250	190	137	26	119	120	141	94			
853	P, 8-D	115	163	171	205	190	240	120	0	-	-	-	-			
854	P, 18-D	121	178	155	151	156	180	60	110	71	20	85	0			
856	P, 11-D	241	241	200	215	216	270	68	103	115	115	40	-			
859	P, 15-D	162	202	196	187	166	20	0	0	0	0	0	0			
860	P, 15-D	35	216	221	238	236	245	100	10	0	21	27	0			
861	P, 11-D	140	163	147	169	163	195	40	8	0	0	0	-			
863	P, 10-D	202	221	169	188	183	200	30	5	0	0	0	-			
864	P, 16-D	187	248	209	235	242	130	86	100	66	75	82	60			
865	P, 14-D	135	160	136	159	153	33	0	0	0	0	0	0			
866	P, 16-D	166	203	175	192	194	90	0	20	16	0	15	0			
870	P, 13-D	173	180	186	132	129	120	35	5	8	0	12	0			
871	P, 20-D	120	181	155	173	174	201	121	62	52	82	102	0			
872	P, 17-D	135	186	149	167	158	90	30	55	94	80	115	42			
873	P, 16-D	5	0	26	100	153	187	90	7	0	0	0	0			
855	NP, 7-D	156	170	137	146	138	170	0	-	-	-	-	-			
857	NP, 16-D	140	192	139	168	157	70	34	24	33	0	0	0			
858	NP, 28-C	77	105	164	206	166	200	112	180	161	140	150	181			
862	NP, 14-D	132	168	170	159	149	182	40	15	0	0	0	0			
867	NP, 17-D	175	190	133	139	154	160	50	55	43	0	0	12			
868	NP, 15-D	160	232	160	187	196	200	66	20	0	0	0	0			

Table No. 1A - Continued
GROUP NO. 4 - 2.0 G/KG/DAY (Continued)

MATERNAL RABBIT NO.		TREATMENT PERIOD							POSTTREATMENT PERIOD		
		12	13	14	15	16	17	18	19	20	
869**	P, 29-C	60	60	45	45	53	105	120	128	127	
853	P, 8-D	-	-	-	-	-	-	-	-	-	
854	P, 18-D	0	0	10	0	0	0	-	-	-	
856	P, 11-D	-	-	-	-	-	-	-	-	-	
859	P, 15-D	0	0	0	-	-	-	-	-	-	
860	P, 15-D	0	0	0	-	-	-	-	-	-	
861	P, 11-D	-	-	-	-	-	-	-	-	-	
863	P, 10-D	-	-	-	-	-	-	-	-	-	
864	P, 16-D	12	0	0	0	-	-	-	-	-	
865	P, 14-D	0	0	-	-	-	-	-	-	-	
866	P, 16-D	0	0	0	0	-	-	-	-	-	
870	P, 13-D	0	-	-	-	-	-	-	-	-	
871	P, 20-D	0	0	0	8	0	0	0	0	-	
872	P, 17-D	0	10	0	0	0	-	-	-	-	
873	P, 16-D	0	0	0	0	-	-	-	-	-	
855	NP, 7-D	-	-	-	-	-	-	-	-	-	
857	NP, 16-D	0	0	0	0	-	-	-	-	-	
858	NP, 28-C	195	193	175	180	183	203	172	174	230	
862	NP, 14-D	0	0	-	-	-	-	-	-	-	
867	NP, 17-D	0	0	0	0	0	-	-	-	-	
868	NP, 15-D	20	21	0	-	-	-	-	-	-	

Table No. 1A - Continued
GROUP NO. 4 - 2.0 G/KG/DAY (Continued)

MATERNAL RABBIT NO.		POSTTREATMENT PERIOD							
		DAY OF GESTATION							
		21	22	23	24	25	26	27	28
869**	P, 29-C	106	114	16	0	5	16	30	90
853	P, 8-D	-	-	-	-	-	-	-	-
854	P, 18-D	-	-	-	-	-	-	-	-
856	P, 11-D	-	-	-	-	-	-	-	-
859	P, 15-D	-	-	-	-	-	-	-	-
860	P, 15-D	-	-	-	-	-	-	-	-
861	P, 11-D	-	-	-	-	-	-	-	-
863	P, 10-D	-	-	-	-	-	-	-	-
864	P, 16-D	-	-	-	-	-	-	-	-
865	P, 14-D	-	-	-	-	-	-	-	-
866	P, 16-D	-	-	-	-	-	-	-	-
870	P, 13-D	-	-	-	-	-	-	-	-
871	P, 20-D	-	-	-	-	-	-	-	-
872	P, 17-D	-	-	-	-	-	-	-	-
873	P, 16-D	-	-	-	-	-	-	-	-
855	NP, 7-D	-	-	-	-	-	-	-	-
857	NP, 16-D	-	-	-	-	-	-	-	-
858	NP, 28-C	216	206	246	230	175	203	215	-
862	NP, 14-D	-	-	-	-	-	-	-	-
867	NP, 17-D	-	-	-	-	-	-	-	-
868	NP, 15-D	-	-	-	-	-	-	-	-

Table No. 1A - Continued

GROUP NO. 4 - 2.0 G/KG/DAY (Continued)

MATERNAL RABBIT NO.	TOTAL MEAN VALUES/DAY					
	DAYS 0 THRU 5		DAYS 6 THRU 18		DAYS 19 THRU 27/28	
	MEAN	±S.D.	MEAN	±S.D.	MEAN	±S.D.
869** P, 29-C	234	28.9	87	39.6	63	54.1
853 P, 8-D	181	42.2	60	84.9	-	-
854 P, 18-D	157	21.5	30	40.3	-	-
856 P, 11-D	230	25.3	88	33.1	-	-
859 P, 15-D	156	68.3	-	-	-	-
860 P, 15-D	199	80.8	18	32.6	-	-
861 P, 11-D	163	19.2	10	17.3	-	-
863 P, 10-D	194	17.9	9	14.4	-	-
864 P, 16-D	209	44.7	48	40.4	-	-
865 P, 14-D	129	48.5	-	-	-	-
866 P, 16-D	170	16.9	5	8.3	-	-
870 P, 13-D	153	29.4	9	12.5	-	-
871 P, 20-D	167	27.5	33	45.1	-	-
872 P, 17-D	148	33.0	39	42.1	-	-
873 P, 16-D	79	80.1	10	28.3	-	-
855 NP, 7-D	153	14.9	-	-	-	-
857 NP, 16-D	144	41.4	9	14.9	-	-
858 NP, 28-C	153	51.7	171	25.0	211	24.3
862 NP, 14-D	160	17.6	7	14.4	-	-
867 NP, 17-D	159	21.5	15	22.8	-	-
868 NP, 15-D	189	27.2	14	21.8	-	-

Table No. 2 - Comparison of uterine implantation sites and ovarian corpora lutea in rabbits serving as controls or receiving SC-19192

MATERNAL RABBIT NO.	DAY OF GESTATION	UTERINE		OVARIAN	
		IMPLANTATION SITES		CORPORA LUTEA	
		LEFT HORN	RIGHT HORN	LEFT OVARY	RIGHT OVARY
789	P, 28-C	3	8	3	8
790	P, 28-C	7	4	8	4
791	P, 10-D	5	6	6	6
792	P, 22-A, 29-C	5	5	5	5
793	P, 27-D	4	4	6	9
794	P, 28-C	2	6	2	8
795	P, 28-C	3	6	4	8
796	P, 8-D	6	2	6	2
797	P, 16-D	9	3	9	3
798	P, 28-C	2	1	2	6
799	P, 28-C	4	5	4	7
800	P, 14-D	5	4	8	7
801	P, 29-C	4	7	4	10
802	P, 29-C	5	5	5	5
803	P, 29-C	3	7	5	9
804	P, 16-D	3	6	3	6
805	P, 29-C	3	2	6	5
806	NP, 29-C	0	0	0	0
807	P, 29-C	5	4	5	5
808	P, 29-C	1	2	8	7
809	P, 29-C	5	6	10	9
Subtotal		84	93	109	129
Total			177		238
Ratio*					177/238 = 74.4%

Table No. 2 - Continued

MATERNAL RABBIT NO.	DAY OF GESTATION	UTERINE IMPLANTATION SITES		OVARIAN CORPORA LUTEA	
		LEFT HORN	RIGHT HORN	LEFT OVARY	RIGHT OVARY
810	P, 28-C	1	0	4	4
811	P, 28-C	4	1	11	7
812	P, 28-C	10	1	10	2
813	P, 28-C	5	2	6	3
814	P, 28-C	2	5	3	7
815	P, 28-C	2	7	3	8
816	P, 29-C	3	5	5	9
817	P, 29-C	2	1	6	7
818	P, 29-C	3	7	3	7
819	P, 29-C	5	7	6	8
820	P, 29-C	3	6	4	7
821	P, 29-C	5	4	5	5
822	P, 10-D	7	4	8	4
823	NP, 8-D	0	0	6	0
824	P, 29-C	0	3	4	4
825	P, 29-C	4	6	5	7
826	NP, 29-C	0	0	0	0
827	P, 28-D	4	5	4	6
828	P, 11-D	5	11	6	11
829	P, 29-C	3	5	3	6
830	NP, 29-C	0	0	0	0
Subtotal		68	80	96	112
Total		148		208	
Ratio*				148/208 = 71.2%	

Table No. 2 - Continued

GROUP NO. 3 - 1.0 G/KG/DAY

MATERNAL RABBIT NO.	DAY OF GESTATION	UTERINE IMPLANTATION SITES		OVARIAN CORPORA LUTEA	
		LEFT HORN	RIGHT HORN	LEFT OVARY	RIGHT OVARY
831	NP, 9-D	0	0	2	8
832	P, 28-C	5	3	6	5
833	P, 28-C	3	5	4	7
834	NP, 6-D	0	0	3	7
835	P, 18-D	5	8	6	9
836	P, 28-C	4	6	6	7
837	P, 28-C	2	4	4	5
838	P, 28-C	4	4	5	6
839	P, 28-C	5	6	6	7
840	NP, 29-C	0	0	0	0
841	P, 29-C	2	4	2	6
842	NP, 29-C	0	0	0	1
843	P, 14-D	3	6	4	7
844	P, 29-C	6	5	7	6
845	P, 29-C	2	5	2	5
846	NP, 29-C	0	0	0	0
847	P, 18-D	3	6	3	8
848	P, 29-C	3	3	3	7
849	P, 29-C	2	0	6	12
850	P, 29-A, 29-C	5	6	8	6
851	P, 29-C	3	4	6	4
852	P, 13-D	3	2	5	5
Subtotal		60	77	83	112
Total			137		195
Ratio*					137/195 = 70.3%

Table No. 2 - Continued
GROUP NO. 4 - 2.0 G/KG/DAY

MATERNAL RABBIT NO.	DAY OF GESTATION	UTERINE IMPLANTATION SITES		OVARIAN CORPORA LUTEA	
		LEFT HORN	RIGHT HORN	LEFT OVARY	RIGHT OVARY
853	P, 8-D	2	4	2	5
854	P, 18-D	4	5	5	5
855	NP, 7-D	0	0	3	5
856	P, 11-D	7	4	11	5
857	NP, 16-D	0	0	6	5
858	NP, 28-C	0	0	3	5
859	P, 15-D	4	4	4	5
860	P, 15-D	1	2	6	4
861	P, 11-D	6	7	6	8
862	NP, 14-D	0	0	3	3
863	P, 10-D	5	6	6	6
864	P, 16-D	2	9	2	9
865	P, 14-D	2	4	4	6
866	P, 16-D	3	7	3	9
867	NP, 17-D	0	0	2	6
868	NP, 15-D	0	0	2	2
869	P, 29-C	3	8	6	10
870	P, 13-D	4	6	4	6
871	P, 20-D	5	5	5	5
872	P, 17-D	7	5	7	6
873	P, 16-D	3	5	4	6
Subtotal		58	81	75	95
Total		139		170	
Ratio*				139/170 = 81.8%	

TABLE NO. 3 - Continued

MATERNAL RABBIT NO.	DAY OF GESTATION	IMPLANTATION SITES	RESORPTION SITES		NUMBER OF LIVE FETUSES		NUMBER OF DEAD FETUSES		LIVE FETUSES		DEAD FETUSES*		
			LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	MEAN WEIGHT g.	MEAN LENGTH cm.	MEAN WEIGHT g.	MEAN LENGTH cm.	
GROUP NO. 2 - 0.5 G/KG/DAY													
810	28-C	1*	0	0	0	0	0	0	-	-	-	-	
811	28-C	5	0	1	4	0	0	0	45.4	9.5	-	-	
812	28-C	11	0	0	10	1	0	0	28.8	7.5	-	-	
813	28-C	7	0	0	5	2	0	0	35.3	8.6	-	-	
814	28-C	7	0	0	2	4	0	1	45.3	9.6	8.1	5.5	
815	28-C	9	0	0	2	7	0	0	38.4	8.8	-	-	
816	29-C	8	0	3	3	2	0	0	47.9	9.2	-	-	
817	29-C	3	0	0	2	1	0	0	38.9	9.0	-	-	
818	29-C	10	0	0	3	7	0	0	35.6	8.5	-	-	
819	29-C	12	1	2	4	5	0	0	41.3	8.8	-	-	
820	29-C	9	0	0	2	6	1	0	32.0	8.4	- ϕ	-	
821	29-C	9	1	0	4	4	0	0	42.4	9.4	-	-	
824	29-C	3*	0	0	0	0	0	0	-	-	-	-	
825	29-C	10	0	0	3	6	1	0	40.4	9.6	- ϕ	-	
829	29-C	8	0	0	3	5	0	0	43.2	9.8	-	-	
Subtotal			2	6	47	50	2	1					
Total		112	8		97		3						
Mean		7.5	0.5		6.5		0.2		39.6	9.0	8.1	5.5	
±s.d.		3.18	1.06		3.42		0.41		5.55	0.64			
822	10-D	11**	-	-	-	-	-	-	-	-	-	-	
827	28-D	9	0	0	0	0	4	5	-	-	18.9	7.3	
828	11-D	16**	-	-	-	-	-	-	-	-	-	-	

TABLE NO. 3 - Continued

MATERNAL RABBIT NO.	DAY OF GESTATION	IMPLANTATION SITES	RESORPTION SITES		NUMBER OF LIVE FETUSES		NUMBER OF DEAD FETUSES		LIVE FETUSES		DEAD FETUSES*		
			LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	MEAN WEIGHT g.	MEAN LENGTH cm.	MEAN WEIGHT g.	MEAN LENGTH cm.	
GROUP NO. 3 - 1.0 G/KG/DAY													
832	28-C	8	0	1	5	2	0	0	36.2	8.6	-	-	
833	28-C	8	0	0	3	5	0	0	38.0	9.4	-	-	
836	28-C	10	0	0	4	6	0	0	34.4	8.1	-	-	
837	28-C	6	0	0	2	4	0	0	41.4	8.6	-	-	
838	28-C	8	0	2	4	2	0	0	40.0	9.3	-	-	
839	28-C	11	0	0	3	6	2	0	34.7	8.4	12.6	5.8	
841	29-C	6	0	0	2	4	0	0	44.4	9.6	-	-	
844	29-C	11	0	1	5	4	1	0	26.7	7.9	- $\phi\phi$	-	
845	29-C	7	0	0	2	5	0	0	41.7	9.0	-	-	
848	29-C	6	0	1	3	2	0	0	46.0	10.0	-	-	
849	29-C	2	1	0	1	0	0	0	52.5	11.0	-	-	
851	29-C	7##	0	0	0	0	0	0	-	-	-	-	
Subtotal			1	5	34	40	3	0					
Total		90	6		74		3						
Mean		7.5	0.5		6.2		0.3		39.6	9.1	18.8	6.9	
ts.d.		2.50	0.67		3.04		0.62		6.85	0.91			
835	18-D	13**	-	-	-	-	-	-	-	-	-	-	
843	14-D	9**	-	-	-	-	-	-	-	-	-	-	
847	18-D	9**	-	-	-	-	-	-	-	-	-	-	
850	29-A, 29-C	11 ϕ	0	0	0	0	2	2	-	-	24.9 $\frac{1}{2}$	8.0 $\frac{1}{2}$	
852	13-D	5**	-	-	-	-	-	-	-	-	-	-	

