STUDY OF MUTAGENIC EFFECTS OF STERCULIA
(KARAYA) (71-17)

April 1972

Compound Report No. 5

STUDY OF MUTAGENIC EFFECTS OF STERCULIA GUM (KARAYA) FDA NO. 71-17

Prepared for:

DHEW/PUBLIC HEALTH SERVICE
Food and Drug Administration
Rockville, Maryland

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INTRODUCTION

Under contract to the Food and Drug Administration, Stanford Research Institute is examining the mutagenicity of 14 selected chemical compounds (Contract No. FDA 71-267). This report describes the results of tests conducted on sterculia gum (karaya) FDA No. 71-17.

Three methods are used to evaluate the genetic hazards of the test compounds. These are: (1) Host-Mediated Assay, (2) Cytogenetic Assay, and (3) Dominant Lethal Gene Test. Methodologies used to conduct these tests are described in detail in "Compound Report No. 1," January 1972. The same procedures were followed in obtaining the information presented in this report.

For the compound under consideration here single and repeated intubations were performed at three concentrations. These amounts were (1) a maximum tolerated dose or 5 g/kg, whichever was lower, (2) a low dose of 30 mg/kg or one near the use level, and (3) a level intermediate between the use level and the maximum tolerated dose.

SUMMARY

Host-Mediated Assay

Sterculia gum (71-17) did not produce any measureable mutagenic response or alteration in the recombination frequency for *Saccharomyces cerevisiae* in either the host-mediated assay or the associated *in vitro* tests.

Cytogenetic Assay

Sterculia gum (Compound 71-17) exhibits no adverse effect on either metaphase chromosomes from rat bone marrow or anaphase chromosomes from *in vitro* cultures of WI-38 (human embryonic lung) cells at any of the dose levels or time periods tested.

Dominant Lethal Gene Test

No consistent responses occurred to suggest that sterculia gum (karaya) is mutagenic to the rat as a result of this experimental procedure. The positive reference compound, TEM, and a known mutagen generally produced mutagenic responses from the second through the fifth weeks of the experiment, as expected.

RESULTS AND DISCUSSION

Oral Toxicity

Single and multiple dose toxicity data are presented in Table 1. Sterculia gum (karaya) given orally as a suspension in corn oil at a dose of 10 g/kg of body weight caused no deaths. No effects, except transient depression of the rats for a few hours following dosing, were evident. When given daily at a dose of 5 g/kg for five days to other male rats, no unusual or adverse effects were observed.

Host-Mediated Assay

Table 2 presents a summary of the host-mediated assay results for sterculia gum (71-17). Table 3 contains the data obtained on each individual mouse. This table is a computer printout of the calculations made on the data obtained for each mouse. Because of the nature of the computer, it is necessary to exceed its maximum number of significant figures to obtain a value as an exponent. For this reason, 12 significant figures are printed out. However, only three significant figures are used for calculations and reporting the results as summarized in Table 2. Table 4 summarizes the data obtained in the *in vitro* tests.

As can be seen from the results summarized in Table 2, no mutagenic response was observed for the two *Salmonella typhimurium* strains tested when mice were treated with the test compound. The mitotic recombination frequency of *Saccharomyces cerevisiae* was not affected. Similarly, no positive mutagenic response was detected in the *in vitro* tests.

Cytogenetic Assay

Review of Table 5 indicates that no adverse effect on rat bone marrow chromosomes at any tested dose level or time period may be attributed to Compound 71-17 (sterculia gum).

Table 6 indicates that sterculia gum likewise exhibits no noteworthy adverse effect on anaphase cells obtained from WI-38 cells in culture.

Dominant Lethal Gene Test

Throughout this entire experiment the biological criteria used to evaluate mutagenic effects in the rat showed no consistent responses which could be attributed to treatment. There were occasional statistical differences between control and gum-dosed groups, but these were random occurrences without any suggestion of a time or dose-response effect. For example, in Table 7, summary data of the average implantations per pregnant female, the number of implants for the low (30 mg/kg) and the maximum (5 g/kg) dose groups in the singly-treated sterculia gum rats

during the fifth week and the low (30 mg/kg) and intermediate dose (2.5 g/) groups in the multiple-treated sterculia gum rats at the sixth week were significantly less than that of the controls, but comparable to the controls throughout the remainder of the experiment. As would be expected for a mutagen, the TEM-treated group showed a marked drop in implants during the second through fifth week.

Similar types of scattered responses were obtained in statistical treatment of: dead implants per pregnant female (see Table 8), dead implants per total implants (see Table 9), corpora lutea per pregnant female (see Table 10), and pre-implantation loss per pregnant females (see Table 11).

Careful review and statistical evaluation of the data do not show sterculia gum to be a mutagen in the rat by the dominant lethal gene test.

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ORAL TOXICITY - RAT

Table 1

Compound: Sterulia Gum (Karaya)
FDA No: 71-17

Single Dose LD_{50}[a]	> 10 g/kg
Multiple Dose Toxicity[b]	> 5 g/kg

[a] Five male, Sprague-Dawley rats, weighing 200-250 g each, were fasted overnight and then given oral doses of the candidate, prepared as a suspension in corn oil.

[b] Five nonfasted Sprague-Dawley male rats were intubated daily for five days with specified amounts of the candidate compound, given as a partial suspension in corn oil.

Table 2

HOST MEDIATED ASSAY
SUMMARY OF DATA

Compound No.: 71-17 (sterculia gum)

A. Acute

Treatment	Organism					
	Salmonella				Saccharomyces	
	G46		TA 1530		D-5	
	MF	MFt/MFc	MF	MFt/MFc	RF	RFt/RFc
Maximum	5.02×10^{-9}	2.15	3.41×10^{-8}	1.21	1.07×10^{-4}	1.50
Intermediate	2.05×10^{-9}	0.88	4.20×10^{-8}	1.49	9.10×10^{-5}	1.28
Low Level	3.85×10^{-9}	1.65	3.39×10^{-8}	1.20	9.45×10^{-5}	1.33
Control (+)	1.21×10^{-8}	517.09	7.05×10^{-7}	25.00	4.18×10^{-4}	5.86
Control (-)	2.34×10^{-9}	1.00	2.82×10^{-8}	1.00	7.13×10^{-5}	1.00

B. Subacute

Treatment	Organism					
	Salmonella				Saccharomyces	
	G46		TA 1530		D-5	
	MF	MFt/MFc	MF	MFt/MFc	RF	RFt/RFc
Maximum	4.20×10^{-9}	0.83	6.72×10^{-8}	1.68	8.94×10^{-5}	0.82
Intermediate	2.16×10^{-8}	4.25	6.86×10^{-8}	1.72	8.92×10^{-5}	0.82
Low Level	5.19×10^{-9}	1.02	5.62×10^{-8}	1.41	1.07×10^{-4}	0.98
Control (-)	5.08×10^{-9}	1.00	4.00×10^{-8}	1.00	1.09×10^{-4}	1.00

Table 3.

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17 (sterculia gum)

Organism: G-46

Treatment: (+) CONTROL

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.638333333330ex 03	.108666666666ex 10	.587423312883ex-06
2	.295666666666ex 04	.130000000000ex 10	.227435897435ex-05
3	.247416666666ex 04	.116833333333ex 10	.211768901569ex-05
4	.266833333333ex 04	.129500000000ex 10	.206048906048ex-05
5	.933333333330ex 03	.861666666665ex 09	.108317214700ex-05
6	.123083333333ex 04	.183166666666ex 10	.671974522293ex-06
7	.103500000000ex 04	.149666666666ex 10	.691536748332ex-06
8	.113416666666ex 04	.104000000000ex 10	.109054487178ex-05
9	.474166666666ex 03	.150666666666ex 10	.314712389381ex-06
			.121021122690ex-05

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: G-46

Treatment: (-) CONTROL

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.833333333330ex 00	.103166666666ex 10	.807754442651ex-09
2	.333333333333ex 01	.152833333333ex 10	.218102508179ex-08
3	.250000000000ex 01	.166666666666ex 10	.150000000000ex-08
4	.833333333330ex 01	.198333333333ex 10	.420168067225ex-08
5	.166666666666ex 01	.215000000000ex 10	.775193798446ex-09
6	.333333333333ex 01	.730000000000ex 09	.456621004565ex-08
			.233864400678ex-08

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.666666666665ex 01	.117333333333ex 10	.568181818182ex-08
2	.500000000000ex 01	.353333333333ex 09	.141509433962ex-07
3	.666666666665ex 01	.731666666665ex 09	.911161731207ex-08
4	.250000000000ex 01	.115833333333ex 10	.215827338130ex-08
5	.333333333333ex 01	.825000000000ex 09	.404040404040ex-08
6	.333333333333ex 01	.135000000000ex 10	.246913580246ex-08
7	.833333333330ex 00	.109166666666ex 10	.763358778627ex-09
8	.333333333333ex 01	.149666666666ex 10	.222717149221ex-08
			.507534029811ex-08

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: G-46

Treatment: MAXIMUM

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.583333333330ex 01	.117000000000ex 10	.498575498572ex-08
2	.700000000000ex 01	.128166666666ex 10	.546163849157ex-08
3	.166666666666ex 01	.626666666665ex 09	.265957446808ex-08
4	.666666666665ex 01	.853333333330ex 09	.781250000001ex-08
5	.750000000000ex 01	.873333333330ex 09	.858778625957ex-08
6	.833333333330ex 00	.136666666666ex 10	.609756097561ex-09
			.501950171703ex-08

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.583333333330ex 01	.496666666666ex 09	.117449664429ex-07
2	.833333333330ex 00	.675000000000ex 09	.123456790122ex-08
3	.250000000000ex 01	.105666666666ex 10	.236593059938ex-08
4	.333333333333ex 01	.146666666666ex 10	.227272727273ex-08
5	.833333333330ex 00	.538333333330ex 09	.154798761610ex-08
6	.416666666666ex 01	.433333333333ex 09	.961538461537ex-08
7	.833333333330ex 00	.133166666666ex 10	.625782227785ex-09
			.420104952502ex-08

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: G-46

Treatment: INTERMEDIATE

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.166666666666ex 01	.103500000000ex 10	.161030595812ex-08
2	.416666666666ex 01	.140166666666ex 10	.297265160524ex-08
3	.250000000000ex 01	.751666666665ex 09	.332594235033ex-08
4	.833333333330ex 00	.166666666666ex 10	.500000000000ex-09
5	.333333333333ex 01	.970000000000ex 09	.343642611683ex-08
6	.833333333330ex 00	.184666666666ex 10	.451263537905ex-09
			.204943159473ex-08

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.116666666666ex 02	.112500000000ex 10	.103703703703ex-07
2	.166666666666ex 02	.466666666666ex 09	.357142857141ex-07
3	.166666666666ex 01	.808333333330ex 09	.206185567010ex-08
4	.212500000000ex 02	.666666666665ex 09	.318750000000ex-07
5	.833333333330ex 00	.300000000000ex 08	.277777777776ex-07
			.215598579064ex-07

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: G-46

Treatment: Low

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.800000000000ex 02	.808333333330ex 10	.989690721653ex-08
2	.666666666665ex 01	.781666666665ex 10	.852878464818ex-09
3	.416666666666ex 01	.601666666665ex 10	.692520775624ex-09
4	.833333333330ex 01	.660000000000ex 10	.126262626262ex-08
5	.500000000000ex 01	.124833333333ex 11	.400534045394ex-09
6	.833333333330ex 01	.124166666666ex 10	.671140930598ex-08
7	.583333333330ex 01	.119333333333ex 10	.488826815641ex-08
8	.750000000000ex 01	.139500000000ex 10	.537634408602ex-08
9	.583333333330ex 01	.127833333333ex 10	.456323337677ex-08
			.384941353108ex-08

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.250000000000ex 01	.115000000000ex 10	.217391304347ex-08
2	.166666666666ex 01	.168833333333ex 10	.987166831192ex-09
3	.833333333330ex 00	.968333333330ex 09	.860585197934ex-09
4	.666666666665ex 01	.908333333330ex 09	.733944954129ex-08
5	.250000000000ex 01	.125833333333ex 10	.198675496689ex-08
6	.166666666666ex 01	.192500000000ex 10	.865800865797ex-09
7	.833333333330ex 00	.135333333333ex 10	.615763546797ex-09
8	.416666666666ex 01	.136500000000ex 10	.305250305249ex-08
9	.483333333333ex 02	.167500000000ex 10	.288557213930ex-07
			.519307315982ex-08

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: TA-1530

Treatment: (+) CONTROL

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.354166666666ex 03	.111666666666ex 10	.317164179105ex-06
2	.310000000000ex 03	.780000000000ex 09	.397435897435ex-06
3	.250000000000ex 03	.550000000000ex 09	.454545454545ex-06
4	.253333333333ex 03	.435000000000ex 09	.582375478926ex-06
5	.336666666666ex 03	.283333333333ex 09	.118823529411ex-05
6	.275000000000ex 03	.320000000000ex 09	.859375000000ex-06
7	.413333333333ex 03	.271666666666ex 09	.152147239264ex-05
8	.246666666666ex 03	.418333333333ex 09	.589641434261ex-06
9	.240000000000ex 03	.550000000000ex 09	.436363636363ex-06
			.705178751930ex-06

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: TA-1530

Treatment: (-) CONTROL

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.183333333333ex 02	.983333333330ex 09	.186440677966ex-07
2	.258333333333ex 02	.148333333333ex 10	.174157303370ex-07
3	.750000000000ex 01	.535000000000ex 09	.140186915887ex-07
4	.216666666666ex 02	.104333333333ex 10	.207667731629ex-07
5	.208333333333ex 02	.775000000000ex 09	.268817204300ex-07
6	.283333333333ex 02	.371666666666ex 09	.762331838565ex-07
7	.208333333333ex 02	.885000000000ex 09	.235404896421ex-07
			.282143795447ex-07

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.152777777777ex 02	.361666666666ex 09	.422427035328ex-07
2	.283333333333ex 02	.783333333330ex 09	.361702127660ex-07
3	.258333333333ex 02	.568333333330ex 09	.454545454547ex-07
4	.258333333333ex 02	.451666666666ex 09	.571955719557ex-07
5	.225000000000ex 02	.280000000000ex 09	.803571428571ex-07
6	.208333333333ex 02	.523333333330ex 09	.398089171976ex-07
7	.666666666665ex 01	.291666666666ex 09	.228571428571ex-07
8	.216666666666ex 02	.736666666665ex 09	.294117647058ex-07
9	.233333333333ex 02	.526666666665ex 09	.443037974684ex-07
10	.166666666666ex 01	.736666666665ex 09	.226244343891ex-08
			.400064242230ex-07

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: TA-1530

Treatment: MAXIMUM

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.100000000000ex 02	.301666666666ex 09	.331491712707ex-07
2	.900000000000ex 01	.590000000000ex 09	.152542372881ex-07
3	.125000000000ex 02	.355000000000ex 09	.352112676056ex-07
4	.141666666666ex 02	.596666666665ex 09	.237430167597ex-07
5	.100000000000ex 02	.270000000000ex 09	.370370370370ex-07
6	.166666666666ex 01	.350000000000ex 08	.476190476188ex-07
7	.125000000000ex 02	.268333333333ex 09	.465838509317ex-07
			.340853755014ex-07

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.833333333330ex 01	.380555555555ex 09	.218978102189ex-07
2	.208333333333ex 02	.640000000000ex 09	.325520833332ex-07
3	.916666666665ex 01	.400000000000ex 08	.229166666666ex-06
4	.141666666666ex 02	.483333333333ex 09	.293103448274ex-07
5	.216666666666ex 02	.435000000000ex 09	.498084291186ex-07
6	.750000000000ex 01	.468333333333ex 09	.160142348754ex-07
7	.241666666666ex 02	.255000000000ex 09	.947712418298ex-07
8	.416666666666ex 01	.546666666665ex 09	.762195121952ex-08
9	.275000000000ex 02	.686666666665ex 09	.400485436894ex-07
10	.300000000000ex 02	.198333333333ex 09	.151260504201ex-06
			.672451809976ex-07

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: TA-1530

Treatment: INTERMEDIATE

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.108333333333ex 02	.666666666665ex 09	.162499999999ex-07
2	.116666666666ex 02	.101666666666ex 10	.114754098360ex-07
3	.133333333333ex 02	.793333333330ex 09	.168067226891ex-07
4	.233333333333ex 02	.536666666665ex 09	.434782608696ex-07
5	.266666666666ex 02	.471666666666ex 09	.565371024734ex-07
6	.450000000000ex 02	.656666666665ex 09	.685279187818ex-07
7	.158333333333ex 02	.300000000000ex 09	.527777777776ex-07
8	.291666666666ex 02	.416666666666ex 09	.699999999999ex-07
			.419816490531ex-07

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.225000000000ex 02	.308333333333ex 09	.729729729730ex-07
2	.183333333333ex 02	.365000000000ex 09	.502283105021ex-07
3	.150000000000ex 02	.250000000000ex 09	.600000000000ex-07
4	.325000000000ex 02	.445000000000ex 09	.730337078651ex-07
5	.241666666666ex 02	.416666666666ex 09	.579999999999ex-07
6	.500000000000ex 02	.378333333333ex 09	.132158590308ex-06
7	.458333333333ex 02	.616666666665ex 09	.743243243244ex-07
8	.158333333333ex 02	.568333333330ex 09	.278592375367ex-07
			.685721429383ex-07

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: TA-1530

Treatment: Low

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.125000000000ex 02	.503333333330ex 09	.248344370862ex-07
2	.100000000000ex 02	.665000000000ex 09	.150375939849ex-07
3	.916666666665ex 01	.740000000000ex 09	.123873873873ex-07
4	.916666666665ex 01	.758333333330ex 09	.120879120879ex-07
5	.175000000000ex 02	.876666666665ex 09	.199619771863ex-07
6	.166666666666ex 02	.433333333333ex 09	.384615384614ex-07
7	.583333333330ex 01	.733333333330ex 08	.795454545453ex-07
8	.241666666666ex 02	.416666666666ex 09	.579999999999ex-07
9	.158333333333ex 02	.305000000000ex 09	.519125683059ex-07
10	.158333333333ex 02	.602777777775ex 09	.262672811060ex-07
			.338496150149ex-07

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.833333333330ex 01	.163333333333ex 09	.510204081631ex-07
2	.225000000000ex 02	.898333333330ex 09	.250463821893ex-07
3	.241666666666ex 02	.658333333330ex 09	.367088607595ex-07
4	.466666666666ex 02	.383333333333ex 09	.121739130434ex-06
5	.208333333333ex 02	.345000000000ex 09	.603864734298ex-07
6	.308333333333ex 02	.658333333330ex 09	.468354430381ex-07
7	.158333333333ex 02	.403333333333ex 09	.392561983470ex-07
8	.341666666666ex 02	.408333333333ex 09	.836734693876ex-07
9	.325000000000ex 02	.798333333330ex 09	.407098121087ex-07
			.561529086504ex-07

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: D-3

Treatment: (+) CONTROL

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.950000000000ex 04	.190000000000ex 08	.500000000000ex-03
2	.105000000000ex 05	.321666666666ex 08	.326424870466ex-03
3	.170000000000ex 05	.495000000000ex 08	.343434343434ex-03
4	.135000000000ex 05	.356666666666ex 08	.378504672897ex-03
5	.110000000000ex 05	.421666666666ex 08	.260869565217ex-03
6	.800000000000ex 04	.240000000000ex 08	.333333333333ex-03
7	.130000000000ex 05	.236666666666ex 08	.549295774649ex-03
8	.125000000000ex 05	.360000000000ex 08	.347222222222ex-03
9	.140000000000ex 05	.193333333333ex 08	.724137931035ex-03
			.418135857024ex-03

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: D-3

Treatment: (-) CONTROL

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.150000000000ex 04	.198333333333ex 08	.756302521009ex-04
2	.250000000000ex 04	.175000000000ex 08	.142857142857ex-03
3	.100000000000ex 04	.102000000000ex 08	.980392156862ex-04
4	.200000000000ex 04	.225625000000ex 08	.886426592797ex-04
5	.500000000000ex 03	.265000000000ex 08	.188679245283ex-04
6	.100000000000ex 04	.225000000000ex 08	.444444444444ex-04
7	.100000000000ex 04	.150000000000ex 08	.666666666666ex-04
8	.150000000000ex 04	.483333333333ex 08	.310344827586ex-04
9	.200000000000ex 04	.263333333333ex 08	.759493670887ex-04
			.713480172673ex-04

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.300000000000ex 04	.560000000000ex 08	.535714285714ex-04
2	.450000000000ex 04	.198333333333ex 08	.226890756302ex-03
3	.550000000000ex 04	.400000000000ex 08	.137500000000ex-03
4	.450000000000ex 04	.411666666666ex 08	.109311740890ex-03
5	.400000000000ex 04	.221666666666ex 08	.180451127820ex-03
6	.100000000000ex 04	.366666666666ex 08	.272727272727ex-04
7	.200000000000ex 04	.490000000000ex 08	.408163265306ex-04
8	.350000000000ex 04	.375000000000ex 08	.933333333333ex-04
9	.450000000000ex 04	.401666666666ex 08	.112033195020ex-03
			.109020070637ex-03

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: D-3

Treatment: MAXIMUM

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.150000000000ex 04	.832500000000ex 07	.180180180180ex-03
2	.200000000000ex 04	.215000000000ex 08	.930232558139ex-04
3	.100000000000ex 04	.193333333333ex 08	.517241379311ex-04
4	.300000000000ex 04	.182500000000ex 08	.164383561643ex-03
5	.100000000000ex 04	.185000000000ex 08	.540540540540ex-04
6	.300000000000ex 04	.186666666666ex 08	.160714285714ex-03
7	.300000000000ex 04	.256666666666ex 08	.116883116883ex-03
8	.150000000000ex 04	.295000000000ex 08	.508474576271ex-04
9	.250000000000ex 04	.285000000000ex 08	.877192982456ex-04
			.106614372010ex-03

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.750000000000ex 04	.558333333330ex 08	.134328358209ex-03
2	.100000000000ex 04	.291666666666ex 08	.342857142857ex-04
3	.300000000000ex 04	.443333333333ex 08	.676691729323ex-04
4	.100000000000ex 04	.541666666665ex 08	.184615384615ex-04
5	.650000000000ex 04	.545000000000ex 08	.119266055045ex-03
6	.600000000000ex 04	.526666666665ex 08	.113924050633ex-03
7	.400000000000ex 04	.646666666665ex 08	.618556701032ex-04
8	.175000000000ex 04	.383333333333ex 08	.456521739130ex-04
9	.400000000000ex 04	.526666666665ex 08	.759493670888ex-04
10	.700000000000ex 04	.313333333333ex 08	.223404255319ex-03
			.894796355988ex-04

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: D-3

Treatment: INTERMEDIATE

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.200000000000ex 04	.270000000000ex 08	.740740740740ex-04
2	.250000000000ex 04	.363333333333ex 08	.688073394496ex-04
3	.300000000000ex 04	.295000000000ex 08	.101694915254ex-03
4	.100000000000ex 04	.271666666666ex 08	.368098159510ex-04
5	.250000000000ex 04	.230000000000ex 08	.108695652173ex-03
6	.300000000000ex 04	.423333333333ex 08	.708661417323ex-04
7	.400000000000ex 04	.183333333333ex 08	.218181818182ex-03
8	.150000000000ex 04	.305000000000ex 08	.491803278688ex-04
			.910387605853ex-04

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.300000000000ex 04	.533333333330ex 08	.562500000003ex-04
2	.300000000000ex 04	.451666666666ex 08	.664206642067ex-04
3	.250000000000ex 04	.540000000000ex 08	.462962962962ex-04
4	.950000000000ex 04	.483333333333ex 08	.196551724138ex-03
5	.500000000000ex 04	.536666666665ex 08	.931677018636ex-04
6	.400000000000ex 04	.698333333330ex 08	.572792362771ex-04
7	.550000000000ex 04	.506666666665ex 08	.108552631579ex-03
			.892168934800ex-04

HOST MEDIATED ASSAY
INDIVIDUAL MOUSE DATA

Compound No.: 71-17

Organism: D-3

Treatment: Low

A. Acute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.150000000000ex 04	.159750000000ex 08	.938967136150ex-04
2	.500000000000ex 03	.155000000000ex 08	.322580645161ex-04
3	.350000000000ex 04	.366666666666ex 08	.954545454547ex-04
4	.100000000000ex 04	.156666666666ex 08	.638297872343ex-04
5	.200000000000ex 04	.837500000000ex 07	.238805970149ex-03
6	.250000000000ex 04	.241666666666ex 08	.103448275862ex-03
7	.300000000000ex 04	.315000000000ex 08	.952380952380ex-04
8	.200000000000ex 04	.218333333333ex 08	.916030534352ex-04
9	.150000000000ex 04	.421666666666ex 08	.355731225297ex-04
			.944564031146ex-04

B. Subacute

Mouse No.	Ave. No. Mutant Colonies or Recombinants/ml	Ave. No. Colony Forming Units/ml	Mutation or Recombination Frequency
1	.350000000000ex 04	.260000000000ex 08	.134615384615ex-03
2	.250000000000ex 04	.251666666666ex 08	.993377483446ex-04
3	.450000000000ex 04	.321666666666ex 08	.139896373057ex-03
4	.800000000000ex 04	.938333333330ex 08	.852575488457ex-04
5	.300000000000ex 04	.490000000000ex 08	.612244897959ex-04
6	.500000000000ex 04	.355000000000ex 08	.140845070422ex-03
7	.300000000000ex 04	.351666666666ex 08	.853080568721ex-04
			.106640667421ex-03

TABLE 4

HOST-MEDIATED ASSAY
IN VITRO MUTAGENICITY OF COMPOUND 71-17 (Sterculia gum)

Salmonella typhimurium G-46

5% w/v 71-17	EMS
negative	positive

Salmonella typhimurium TA-1530

5% w/v 71-17	EMS
negative	positive

Saccharomyces cerevisiae D-3

Compound	Concentration	Survival (%)	Recombinants/10^5 Survivors	RFt/RFc
71-17	5% w/v	28	6.40	1.08
EMS	1% w/v	8	785.00	133.50
Control (-)	--	100	5.88	1.00

Table 5

CYTOGENETIC ASSAY
METAPHASE SUMMARY SHEET BY TIME OF SACRIFICE
Compound 71-17

(sterculia gum)

Dosage (mg/kg)	Time*	Mitotic Index (%)	No. of Animals	No. of Cells	Cells with Breaks (%)	Cells with Rearrangements (%)	Cells with More than One Type of Aber. (%)	Cells with Aber. (%)
TEM (0.4 mg/kg)	6	0.75	5	249	8.8	0.4	0	9.2
Negative Control	6	2.23	3	150	0.7	0	0	0.7
30 mg/kg	6	2.48	5	250	0.8	0	0	0.8
2500 mg/kg	6	1.90	5	250	0.8	0	0	0.8
5000 mg/kg	6	1.10	5	250	1.2	0	0	1.2
Negative Control	24	2.40	3	150	1.3	0	0	1.3
30 mg/kg	24	2.30	5	250	0.4	0	0	0.4
2500 mg/kg	24	1.53	5	250	0	0	0	0
5000 mg/kg	24	2.27	5	250	1.2	0	0	1.2
Negative Control	48	1.55	3	150	0	0	0	0
30 mg/kg	48	2.40	5	250	0.4	0	0	0.4
2500 mg/kg	48	1.60	5	250	2.0	0	0	2.0
5000 mg/kg	48	1.90	5	250	1.6	0	0	1.6
Negative Control	SA**	2.15	3	150	1.3	0	0	1.3
30 mg/kg	SA	1.20	5	249	1.2	0	0	1.2
2500 mg/kg	SA	1.00	5	250	0	0	0	0
5000 mg/kg	SA	1.07	4	200	0	0	0	0

* Time of sacrifice after treatment (hours)
** SA = subacute

Table 6

CYTOGENETIC ASSAY
ANAPHASE SUMMARY SHEET
Compound 71-17
(sterculia gum)

Dosage	Time*	No. of Cells	Cells with Acentric Fragments (%)	Cells with Bridges (%)	Multipolar Cells (%)	Other (Abnormal) (%)	Cells with More than One Type Aber. (%)	Cells with Aber. (%)
Negative Control	24	319	6.3	4.4	1.6	0.6	1.6	11.3
10 µg/ml	24	84	7.1	0	3.6	0	3.6	7.1
100 µg/ml	24	167	9.6	2.4	1.8	0.5	1.8	12.0
1,000 µg/ml	24	164	6.7	3.7	0.6	0	2.4	8.5
TEM (0.05 µg/ml)	24	55	34.5	9.1	7.3	41.8	25.5	65.5

* Time of harvest after treatment (hours)

DOMINANT LETHAL GENE-RAT

Table 7

AVERAGE IMPLANTATIONS PER PREGNANT FEMALE

Summary

Compound: Sterulia Gum (Karaya)
FDA No: 71-17

Week of Study	Control (10 ml/kg)	TEM (0.2 mg/kg)	71-17 (30 mg/kg)	71-17 (2.5 g/kg)	71-17 (5 g/kg)
Acute-Single Dose					
1	244/20=12.2	213/18=11.8	174/14=12.4	225/18=12.5	221/19=11.6
2	257/20=12.9	180/19= 9.5**	219/18=12.2	224/18=12.4	235/19=12.4
3	247/20=12.4	166/18= 9.2**	232/19=12.2	201/18=11.2	234/20=11.7
4	232/19=12.2	103/20= 5.2**	225/19=11.8	222/19=11.7	231/18=12.8
5	272/20=13.6	222/20=11.1**	234/20=11.7*	230/19=12.1	225/20=11.3*
6	255/20=12.8	237/20=11.9	244/20=12.2	221/18=12.3	204/18=11.3
7	209/20=10.5	225/20=11.3	222/20=11.1	185/19= 9.7	204/19=10.7
8	241/20=12.1	213/19=11.2	198/20= 9.9	218/18=12.1	226/19=11.9
Subacute-Multiple Dose					
1			217/19=11.4	200/18=11.8	117/10=11.7
2			256/20=12.8	245/19=12.9	131/12=10.9
3			241/20=12.1	215/18=11.9	211/17=12.4
4			211/20=10.6	237/20=11.9	169/15=11.3
5			260/20=13.0	259/20=13.0	200/15=13.3
6			207/19=10.9*	235/20=11.8*	217/18=12.1
7			231/20=11.6	236/20=11.8	220/18=12.2

* Significant at $P < 0.05$
** Significant at $P < 0.01$

DOMINANT LETHAL GENE-RAT

Table 8

AVERAGE DEAD IMPLANTS PER PREGNANT FEMALE

Summary

Week of Study	Control (10 ml/kg)	TEM (0.2 mg/kg)	71-17 (30 mg/kg)	71-17 (2.5 g/kg)	71-17 (5 g/kg)
				Compound:	Sterculia Gum (Karaya)
				FDA No:	71-17
Acute-Single Dose					
1	7/20=0.35	80/18=4.44**	7/14=0.50	11/18=0.61	7/19=0.37
2	17/20=0.85	131/19=6.89**	9/18=0.50	9/18=0.50	8/19=0.42
3	14/20=0.75	136/18=7.56**	9/19=0.47	12/18=0.67	17/20=0.90
4	16/19=0.84	99/20=4.95**	17/19=0.89	15/19=0.79	11/18=0.61
5	27/20=1.35	50/20=2.50*	21/20=1.05	11/19=0.58*D	20/20=1.00
6	19/20=0.95	29/20=1.45	7/20=0.35	12/18=0.67	18/18=1.00
7	20/20=1.00	15/20=0.75	25/20=1.25	8/19=0.42	19/19=1.00
8	13/20=0.65	25/19=1.32	13/20=0.65	15/18=0.83	12/19=0.63
Subacute-Multiple Dose					
1			19/19=1.00	14/17=0.82	10/10=1.00
2			22/20=1.10	17/19=0.89	11/12=0.92
3			14/20=0.70	10/18=0.56	8/17=0.47
4			25/20=1.25	27/20=1.35	21/15=1.40
5			7/20=0.35**D	15/20=0.75	8/15=0.53*D
6			12/19=0.63	18/20=0.90	19/18=1.06
7			12/20=0.60	16/20=0.80	12/18=0.67

* Significant at $P < 0.05$
** Significant at $P < 0.01$
D Decrease below control

DOMINANT LETHAL GENE-RAT

Table 9

DEAD IMPLANTS/TOTAL IMPLANTS

Summary

Compound: Sterculia Gum (Karaya)
FDA No: 71-17

Week of Study	Control (10 ml/kg)	TEM (0.2 mg/kg)	71-17 (30 mg/kg)	71-17 (2.5 g/kg)	71-17 (5 g/kg)
Acute-Single Dose					
1	7/244=0.03	80/213=0.38**	7/174=0.04	11/225=0.05	7/221=0.03
2	17/257=0.07	131/180=0.73**	9/219=0.04	9/224=0.04	8/235=0.03
3	14/247=0.06	136/166=0.82**	9/232=0.04	12/201=0.06	18/234=0.08
4	16/232=0.07	99/103=0.96**	17/225=0.08	15/222=0.07	11/231=0.05
5	27/272=0.10	50/222=0.23	21/234=0.09	11/230=0.05*D	20/225=0.09
6	19/255=0.07	29/237=0.12	7/244=0.03	12/221=0.05	18/204=0.09
7	20/209=0.10	15/225=0.07	25/222=0.11	8/185=0.04	19/204=0.09
8	13/241=0.05	25/213=0.12	13/198=0.07	15/218=0.07	12/226=0.05
Subacute-Multiple Dose					
1			19/217=0.09	14/200=0.07	10/117=0.09
2			22/256=0.09	17/245=0.07	11/131=0.08
3			14/241=0.06	10/215=0.05	8/211=0.04
4			25/211=0.12	27/237=0.11	21/169=0.12
5			7/260=0.03**D	15/259=0.06	8/200=0.04*D
6			12/207=0.06	18/235=0.08	19/217=0.09
7			12/231=0.05	16/236=0.07	12/220=0.05

* Significant at $P < 0.05$
** Significant at $P < 0.01$
D Decrease below control

DOMINANT LETHAL GENE-RAT

Table 10

AVERAGE CORPORA LUTEA PER PREGNANT FEMALE

Summary

Compound: Sterculia Gum (Karaya)
FDA No: 71-17

Week of Study	Control (10 ml/kg)	TEM (0.2 mg/kg)	71-17 (30 mg/kg)	71-17 (2.5 g/kg)	71-17 (5 g/kg)
Acute-Single Dose					
1	260/20=13.0	248/18=13.8	186/14=13.3	232/18=12.9	235/19=12.4
2	282/20=14.1	237/19=12.5	262/18=14.6	242/18=13.4	258/19=13.6
3	271/20=13.6	218/18=12.1**	248/19=13.1	232/18=12.9	264/20=13.2
4	255/19=13.4	268/20=13.4	262/19=13.8	254/19=13.4	243/18=13.5
5	283/20=14.2	257/20=12.9	272/20=13.6	260/19=13.7	267/20=13.4
6	267/20=13.4	269/20=13.5	275/20=13.8	246/18=13.7	237/18=13.2
7	243/20=12.2	235/20=11.8	253/20=12.7	220/19=11.6	231/19=12.2
8	253/20=12.7	240/19=12.6	250/20=12.5	252/18=14.0*I	253/19=13.3
Subacute-Multiple Dose					
1			260/19=13.7	210/17=12.4	131/10=13.1
2			265/20=13.3	262/19=13.8	148/12=12.3
3			252/20=12.6*	229/18=12.7	227/17=13.4
4			264/20=13.2	267/20=13.4	203/15=13.5
5			271/20=13.6	269/20=13.5	210/15=14.0
6			254/19=13.4	251/20=12.6	245/18=13.6
7			258/20=12.9	253/20=12.7	237/18=13.2

* Significant at $P < 0.05$
** Significant at $P < 0.01$
I Increase above control

DOMINANT LETHAL GENE-RAT

Table 11

AVERAGE PREIMPLANTATION LOSS PER PREGNANT FEMALE

				Compound: FDA No:	Sterculia Gum (Karaya) 71-17
Week of Study	Control (10 ml/kg)	TEM (0.2 mg/kg)	71-17 (30 mg/kg)	71-17 (2.5 g/kg)	71-17 (5 g/kg)
Acute-Single Dose					
1	16/20=0.80	35/18=1.94	12/14=0.86	7/18=0.39	14/19=0.74
2	25/20=1.25	57/19=3.00	43/18=2.39	18/18=1.00	23/19=1.21
3	24/20=1.20	52/18=2.89*	16/19=0.84	31/18=1.72	30/20=1.50
4	23/19=1.21	165/20=8.25**	37/19=1.95	32/19=1.68	12/18=0.67
5	11/20=0.55	35/20=1.75	38/20=1.90	30/19=1.58	42/20=2.10
6	12/20=0.60	32/20=1.60	31/20=1.55	25/18=1.39	33/18=1.83*
7	34/20=1.70	10/20=0.50	31/20=1.55	35/19=1.84	27/19=1.42
8	12/20=0.60	27/19=1.42	52/20=2.60	34/18=1.89*	27/19=1.42
Subacute-Multiple Dose					
1			43/19=2.26	10/17=0.59	14/10=0.70
2			9/20=0.45	17/19=0.89	17/12=1.42
3			11/20=0.55	14/18=0.78	16/17=0.94
4			53/20=2.65	30/20=1.50	34/15=2.27
5			11/20=0.55	10/20=0.50	10/15=0.67
6			47/19=2.47*	16/20=0.80	28/18=1.56
7			27/20=1.35	17/20=0.85	17/18=0.94

* Significant at $P < 0.05$
** Significant at $P < 0.01$

August 1972

Compound Report No. 5 (Statistical Addendum--Dominant Lethal Gene Data)

STUDY OF MUTAGENIC EFFECTS OF STERCULIA GUM (KARAYA) FDA No. 71-17

Prepared for:

DHEW/PUBLIC HEALTH SERVICE
Food and Drug Administration
Rockville, Maryland

Contract No. FDA 71-267

SRI Project LSU-1348

Submitted by:

G. W. Newell and W. A. Maxwell

Approved:

W. A. Skinner

W. A. Skinner, Executive Director
Life Sciences Division

STATISTICAL SUMMARY

This addendum presents statistical treatment of the dominant lethal gene data for Sterculia Gum (Karaya), using the procedural outline of Miss Janet Springer, FDA. A description of the statistical procedures and an explanation of how the computations are accomplished were presented as Appendix A of Compound Report No. 8, Guar Gum (71-16). Summary tables of experimental data also are included for reference.

A review of these statistical evaluations continues to support the conclusions presented in the main report: i.e., Sterculia Gum (Karaya) is not a mutagenic substance by the dominant lethal gene test.

DOMINANT LETHAL GENE-RAT

Table 7

AVERAGE IMPLANTATIONS PER PREGNANT FEMALE

Summary

Compound: Sterculia Gum (Karaya)
FDA No: 71-17

Week of Study	Control (10 ml/kg)	TEM (0.2 mg/kg)	71-17 (30 mg/kg)	71-17 (2.5 g/kg)	71-17 (5 g/kg)
Acute-Single Dose					
1	244/20=12.2	213/18=11.8	174/14=12.4	225/18=12.5	221/19=11.6
2	257/20=12.9	180/19= 9.5**	219/18=12.2	224/18=12.4	235/19=12.4
3	247/20=12.4	166/18= 9.2**	232/19=12.2	201/18=11.2	234/20=11.7
4	232/19=12.2	103/20= 5.2**	225/19=11.8	222/19=11.7	231/18=12.8
5	272/20=13.6	222/20=11.1**	234/20=11.7*	230/19=12.1 *	225/20=11.3*
6	255/20=12.8	237/20=11.9	244/20=12.2	221/18=12.3	204/18=11.3
7	209/20=10.5	225/20=11.3	222/20=11.1	185/19= 9.7	204/19=10.7
8	241/20=12.1	213/19=11.2	198/20= 9.9*	218/18=12.1	226/19=11.9
Subacute-Multiple Dose					
1			217/19=11.4	200/18=11.8	117/10=11.7
2			256/20=12.8	245/19=12.9	131/12=10.9
3			241/20=12.1	215/18=11.9	211/17=12.4
4			211/20=10.6	237/20=11.9	169/15=11.3
5			260/20=13.0	259/20=13.0	200/15=13.3
6			207/19=10.9*	235/20=11.8*	217/18=12.1
7			231/20=11.6	236/20=11.8	220/18=12.2

* Significant at $P < 0.05$
** Significant at $P < 0.01$

DOMINANT LETHAL GENE-RAT

Table 8

AVERAGE DEAD IMPLANTS PER PREGNANT FEMALE

Summary

Week of Study	Control (10 ml/kg)	TEM (0.2 mg/kg)	71-17 (30 mg/kg)	71-17 (2.5 g/kg)	71-17 (5 g/kg)
				Compound:	Sterculia Gum (Karaya)
				FDA No:	71-17
Acute-Single Dose					
1	7/20=0.35	80/18=4.44**	7/14=0.50	11/18=0.61	7/19=0.37
2	17/20=0.85	131/19=6.89**	9/18=0.50	9/18=0.50	8/19=0.42
3	14/20=0.75	136/18=7.56**	9/19=0.47	12/18=0.67	17/20=0.90
4	16/19=0.84	99/20=4.95**	17/19=0.89	15/19=0.79	11/18=0.61
5	27/20=1.35	50/20=2.50*	21/20=1.05	11/19=0.58*D	20/20=1.00
6	19/20=0.95	29/20=1.45	7/20=0.35	12/18=0.67	18/18=1.00
7	20/20=1.00	15/20=0.75	25/20=1.25	8/19=0.42	19/19=1.00
8	13/20=0.65	25/19=1.32	13/20=0.65	15/18=0.83	12/19=0.63
Subacute-Multiple Dose					
1			19/19=1.00	14/17=0.82	10/10=1.00
2			22/20=1.10	17/19=0.89	11/12=0.92
3			14/20=0.70	10/18=0.56	8/17=0.47
4			25/20=1.25	27/20=1.35	21/15=1.40
5			7/20=0.35**D	15/20=0.75*D	8/15=0.53*D
6			12/19=0.63	18/20=0.90	19/18=1.06
7			12/20=0.60	16/20=0.80	12/18=0.67

* Significant at $P < 0.05$
** Significant at $P < 0.01$
D Decrease below control

DOMINANT LETHAL GENE-RAT

Table 9

DEAD IMPLANTS/TOTAL IMPLANTS

Summary

Compound: Sterculia Gum. (Karaya)
FDA No: 71-17

Week of Study	Control (10 ml/kg)	TEM (0.2 mg/kg)	71-17 (30 mg/kg)	71-17 (2.5 g/kg)	71-17 (5 g/kg)
Acute-Single Dose					
1	7/244=0.03	80/213=0.38**	7/174=0.04	11/225=0.05	7/221=0.03
2	17/257=0.07	131/180=0.73**	9/219=0.04	9/224=0.04	8/235=0.03
3	14/247=0.06	136/166=0.82**	9/232=0.04	12/201=0.06	18/234=0.08
4	16/232=0.07	99/103=0.96**	17/225=0.08	15/222=0.07	11/231=0.05
5	27/272=0.10	50/222=0.23*	21/234=0.09	11/230=0.05*D	20/225=0.09
6	19/255=0.07	29/237=0.12	7/244=0.03	12/221=0.05	18/204=0.09
7	20/209=0.10	15/225=0.07	25/222=0.11	8/185=0.04	19/204=0.09
8	13/241=0.05	25/213=0.12	13/198=0.07	15/218=0.07	12/226=0.05
Subacute-Multiple Dose					
1			19/217=0.09	14/200=0.07	10/117=0.09
2			22/256=0.09	17/245=0.07	11/131=0.08
3			14/241=0.06	10/215=0.05	8/211=0.04
4			25/211=0.12	27/237=0.11	21/169=0.12
5			7/260=0.03**D	15/259=0.06*D	8/200=0.04*D
6			12/207=0.06	18/235=0.08	19/217=0.09
7			12/231=0.05	16/236=0.07	12/220=0.05

* Significant at $P < 0.05$
** Significant at $P < 0.01$
D Decrease below control

DOMINANT LETHAL GENE-RAT

Table 10

AVERAGE CORPORA LUTEA PER PREGNANT FEMALE

Summary

Compound: Sterculia Gum (Karaya)
FDA No: 71-17

Week of Study	Control (10 ml/kg)	TEM (0.2 mg/kg)	71-17 (30 mg/kg)	71-17 (2.5 g/kg)	71-17 (5 g/kg)
Acute-Single Dose					
1	260/20=13.0	248/18=13.8	186/14=13.3	232/18=12.9	235/19=12.4
2	282/20=14.1	237/19=12.5	262/18=14.6	242/18=13.4	258/19=13.6
3	271/20=13.6	218/18=12.1**	248/19=13.1	232/18=12.9	264/20=13.2
4	255/19=13.4	268/20=13.4	262/19=13.8	254/19=13.4	243/18=13.5
5	283/20=14.2	257/20=12.9 *	272/20=13.6	260/19=13.7	267/20=13.4
6	267/20=13.4	269/20=13.5	275/20=13.8	246/18=13.7	237/18=13.2
7	243/20=12.2	235/20=11.8	253/20=12.7	220/19=11.6	231/19=12.2
8	253/20=12.7	240/19=12.6	250/20=12.5	252/18=14.0*I	253/19=13.3
Subacute-Multiple Dose					
1			260/19=13.7	210/17=12.4	131/10=13.1
2			265/20=13.3	262/19=13.8	148/12=12.3
3			252/20=12.6*	229/18=12.7	227/17=13.4
4			264/20=13.2	267/20=13.4	203/15=13.5
5			271/20=13.6	269/20=13.5	210/15=14.0
6			254/19=13.4	251/20=12.6	245/18=13.6
7			258/20=12.9	253/20=12.7	237/18=13.2

* Significant at $P < 0.05$
** Significant at $P < 0.01$
I Increase above control

DOMINANT LETHAL GENE-RAT

Table 11

AVERAGE PREIMPLANTATION LOSS PER PREGNANT FEMALE

				Compound: FDA No:	Sterculia Gum (Karaya) 71-17
Week of Study	Control (10 ml/kg)	TEM (0.2 mg/kg)	71-17 (30 mg/kg)	71-17 (2.5 g/kg)	71-17 (5 g/kg)
Acute-Single Dose					
1	16/20=0.80	35/18=1.94*	12/14=0.86	7/18=0.39	14/19=0.74
2	25/20=1.25	57/19=3.00**	43/18=2.39	18/18=1.00	23/19=1.21
3	24/20=1.20	52/18=2.89**	16/19=0.84	31/18=1.72	30/20=1.50
4	23/19=1.21	165/20=8.25**	37/19=1.95	32/19=1.68	12/18=0.67
5	11/20=0.55	35/20=1.75	38/20=1.90*	30/19=1.58	42/20=2.10
6	12/20=0.60	32/20=1.60*	31/20=1.55	25/18=1.39	33/18=1.83*
7	34/20=1.70	10/20=0.50	31/20=1.55	35/19=1.84	27/19=1.42
8	12/20=0.60	27/19=1.42	52/20=2.60*	34/18=1.89**	27/19=1.42
Subacute-Multiple Dose					
1			43/19=2.26*	10/17=0.59	14/10=0.70
2			9/20=0.45	17/19=0.89	17/12=1.42
3			11/20=0.55	14/18=0.78	16/17=0.94
4			53/20=2.65	30/20=1.50	34/15=2.27
5			11/20=0.55	10/20=0.50	10/15=0.67
6			47/19=2.47**	16/20=0.80	28/18=1.56
7			27/20=1.35	17/20=0.85	17/18=0.94

* Significant at $P < 0.05$
** Significant at $P < 0.01$

Raw Data and Statistical Analyses

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DOMINANT LETHAL GENE STUDY OF COMPOUND 71-17 STERCULIA (KARAYA) GUM

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
CNTRL17	1	S	0.0000	1	1	Y	5	6	0	0	0	0	5	6
CNTRL17	1	S	0.0000	1	2	Y	3	10	0	0	1	1	3	10
CNTRL17	1	S	0.0000	2	3	Y	4	8	1	0	0	0	4	9
CNTRL17	1	S	0.0000	2	4	Y	5	6	0	0	0	0	5	6
CNTRL17	1	S	0.0000	3	5	Y	3	9	0	0	0	1	3	9
CNTRL17	1	S	0.0000	3	6	Y	6	8	0	0	0	0	6	9
CNTRL17	1	S	0.0000	4	7	Y	6	6	0	0	0	0	6	6
CNTRL17	1	S	0.0000	4	8	Y	3	10	1	0	0	0	3	10
CNTRL17	1	S	0.0000	5	9	Y	5	5	0	0	0	0	7	7
CNTRL17	1	S	0.0000	5	10	Y	5	6	0	0	0	0	6	6
CNTRL17	1	S	0.0000	6	11	Y	7	5	0	0	0	0	7	5
CNTRL17	1	S	0.0000	6	12	Y	9	3	0	0	0	0	9	3
CNTRL17	1	S	0.0000	7	13	Y	5	7	0	0	0	0	5	7
CNTRL17	1	S	0.0000	7	14	Y	9	5	0	0	0	0	9	5
CNTRL17	1	S	0.0000	8	15	Y	7	5	0	0	0	0	7	6
CNTRL17	1	S	0.0000	8	16	Y	7	4	0	0	0	0	9	4
CNTRL17	1	S	0.0000	9	17	Y	6	9	0	0	0	0	6	9
CNTRL17	1	S	0.0000	9	18	Y	7	8	0	0	0	0	7	8
CNTRL17	1	S	0.0000	10	19	Y	0	10	0	0	0	0	6	11
CNTRL17	1	S	0.0000	10	20	Y	5	6	0	0	1	1	5	6
71-17	1	S	.0300	51	101	N	0	0	0	0	0	0	0	0
71-17	1	S	.0300	51	102	Y	0	1	0	0	0	1	4	3
71-17	1	S	.0300	52	103	Y	7	5	0	0	0	0	8	5
71-17	1	S	.0300	52	104	Y	4	7	0	0	0	0	5	7
71-17	1	S	.0300	53	105	Y	6	8	0	0	0	0	6	8
71-17	1	S	.0300	53	106	N	0	0	0	0	0	0	0	0
71-17	1	S	.0300	54	107	Y	7	4	1	0	0	0	7	4
71-17	1	S	.0300	54	108	N	0	0	0	0	0	0	0	0
71-17	1	S	.0300	55	109	Y	6	7	0	0	0	0	6	7
71-17	1	S	.0300	55	110	Y	5	6	0	0	0	0	5	6
71-17	1	S	.0300	56	111	N	0	0	0	0	0	0	0	0
71-17	1	S	.0300	56	112	Y	10	5	0	0	0	0	10	5
71-17	1	S	.0300	57	113	Y	4	11	0	0	0	0	4	13
71-17	1	S	.0300	57	114	Y	9	6	0	0	0	0	9	6
71-17	1	S	.0300	58	115	N	0	0	0	0	0	0	0	0
71-17	1	S	.0300	58	116	Y	7	7	0	0	1	4	7	7
71-17	1	S	.0300	59	117	Y	8	7	0	0	0	0	8	7
71-17	1	S	.0300	59	118	Y	7	6	0	0	0	0	7	6
71-17	1	S	.0300	60	119	Y	7	7	0	0	0	0	7	9
71-17	1	S	.0300	60	120	N	0	0	0	0	0	0	0	0

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	1	S	2.5000	61	121	Y	7	4	0	0	0	0	8	4
71-17	1	S	2.5000	61	122	Y	7	6	0	0	1	0	7	6
71-17	1	S	2.5000	62	123	Y	8	5	0	0	0	0	9	5
71-17	1	S	2.5000	62	124	N	0	0	0	0	0	0	0	0
71-17	1	S	2.5000	63	125	Y	7	4	0	0	0	0	7	5
71-17	1	S	2.5000	63	126	Y	8	7	0	0	1	1	8	7
71-17	1	S	2.5000	64	127	Y	4	10	0	1	0	0	4	11
71-17	1	S	2.5000	64	128	Y	5	8	0	0	1	0	5	8
71-17	1	S	2.5000	65	129	Y	6	7	0	0	0	1	6	7
71-17	1	S	2.5000	65	130	Y	6	7	2	0	0	0	6	7
71-17	1	S	2.5000	66	131	Y	7	6	0	1	0	0	7	6
71-17	1	S	2.5000	66	132	Y	6	6	0	0	0	0	7	6
71-17	1	S	2.5000	67	133	Y	7	7	0	0	0	0	7	7
71-17	1	S	2.5000	67	134	Y	8	4	0	0	0	0	8	4
71-17	1	S	2.5000	68	135	Y	7	5	0	0	0	0	7	5
71-17	1	S	2.5000	68	136	Y	7	3	1	0	0	0	7	4
71-17	1	S	2.5000	69	137	Y	9	3	0	0	0	0	9	4
71-17	1	S	2.5000	69	138	Y	5	8	0	0	0	1	5	8
71-17	1	S	2.5000	70	139	Y	6	5	0	0	0	0	6	5
71-17	1	S	2.5000	70	140	N	0	0	0	0	0	0	0	0
71-17	1	S	5.0000	71	141	Y	0	8	0	0	0	0	6	8
71-17	1	S	5.0000	71	142	Y	6	6	0	1	1	0	6	7
71-17	1	S	5.0000	72	143	Y	5	6	0	0	0	0	6	6
71-17	1	S	5.0000	72	144	Y	3	6	0	0	0	0	3	6
71-17	1	S	5.0000	73	145	Y	7	3	0	0	0	0	8	3
71-17	1	S	5.0000	73	146	Y	8	6	0	0	0	0	8	6
71-17	1	S	5.0000	74	147	Y	6	5	0	0	0	0	6	5
71-17	1	S	5.0000	74	148	Y	9	5	0	0	0	0	9	6
71-17	1	S	5.0000	75	149	Y	7	5	0	0	0	0	7	5
71-17	1	S	5.0000	75	150	Y	10	2	0	0	0	0	11	2
71-17	1	S	5.0000	76	151	N	0	0	0	0	0	0	0	0
71-17	1	S	5.0000	76	152	Y	6	4	0	0	0	0	6	4
71-17	1	S	5.0000	77	153	Y	5	6	0	0	0	0	5	6
71-17	1	S	5.0000	77	154	Y	5	8	0	0	0	0	6	8
71-17	1	S	5.0000	78	155	Y	7	4	0	0	0	0	7	4
71-17	1	S	5.0000	78	156	Y	5	7	0	2	0	0	5	8
71-17	1	S	5.0000	79	157	Y	9	3	0	0	2	0	10	3
71-17	1	S	5.0000	79	158	Y	6	7	0	0	0	0	6	7
71-17	1	S	5.0000	80	159	Y	10	6	0	1	0	0	10	6
71-17	1	S	5.0000	80	160	Y	5	5	0	0	0	0	5	5

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
TEM17	1	S	.0002	11	21	Y	8	6	0	0	2	0	8	6
TEM17	1	S	.0002	11	22	Y	6	8	0	0	3	3	6	8
TEM17	1	S	.0002	12	23	Y	6	1	2	0	1	0	7	6
TEM17	1	S	.0002	12	24	Y	1	4	0	1	0	0	7	4
TEM17	1	S	.0002	13	25	Y	6	8	0	0	4	5	7	8
TEM17	1	S	.0002	13	26	Y	7	7	0	0	1	4	8	9
TEM17	1	S	.0002	14	27	N	0	0	0	0	0	0	0	0
TEM17	1	S	.0002	14	28	Y	4	9	1	2	0	0	4	10
TEM17	1	S	.0002	15	29	Y	4	9	1	1	0	3	5	9
TEM17	1	S	.0002	15	30	Y	4	9	3	3	0	1	4	11
TEM17	1	S	.0002	16	31	Y	8	4	0	0	6	3	9	6
TEM17	1	S	.0002	16	32	Y	4	2	0	0	0	0	4	9
TEM17	1	S	.0002	17	33	Y	9	4	0	0	8	3	9	4
TEM17	1	S	.0002	17	34	Y	6	8	0	0	0	1	6	8
TEM17	1	S	.0002	18	35	Y	5	5	0	0	3	2	5	7
TEM17	1	S	.0002	18	36	Y	7	6	2	2	0	0	7	6
TEM17	1	S	.0002	19	37	Y	5	7	0	0	2	2	7	7
TEM17	1	S	.0002	19	38	Y	7	5	3	1	0	0	7	6
TEM17	1	S	.0002	20	39	N	0	0	0	0	0	0	0	0
TEM17	1	S	.0002	20	40	Y	5	9	0	1	0	0	5	9
CNTRL17	1	M	0.0000	1	1	Y	5	6	0	0	0	0	5	6
CNTRL17	1	M	0.0000	1	2	Y	3	10	0	0	1	1	3	10
CNTRL17	1	M	0.0000	2	3	Y	4	8	1	0	0	0	4	9
CNTRL17	1	M	0.0000	2	4	Y	5	6	0	0	0	0	5	6
CNTRL17	1	M	0.0000	3	5	Y	3	9	0	0	0	1	3	9
CNTRL17	1	M	0.0000	3	6	Y	6	8	0	0	0	0	6	9
CNTRL17	1	M	0.0000	4	7	Y	6	6	0	0	0	0	6	6
CNTRL17	1	M	0.0000	4	8	Y	3	10	1	0	0	0	3	10
CNTRL17	1	M	0.0000	5	9	Y	6	5	0	0	0	0	7	7
CNTRL17	1	M	0.0000	5	10	Y	5	6	0	0	0	0	6	6
CNTRL17	1	M	0.0000	6	11	Y	7	5	0	0	0	0	7	5
CNTRL17	1	M	0.0000	6	12	Y	9	3	0	0	0	0	9	3
CNTRL17	1	M	0.0000	7	13	Y	5	7	0	0	0	0	5	7
CNTRL17	1	M	0.0000	7	14	Y	9	5	0	0	0	0	9	5
CNTRL17	1	M	0.0000	8	15	Y	7	5	0	0	0	0	7	6
CNTRL17	1	M	0.0000	8	16	Y	7	4	0	0	0	0	9	4
CNTRL17	1	M	0.0000	9	17	Y	6	9	0	0	0	0	6	9
CNTRL17	1	M	0.0000	9	18	Y	7	8	0	0	0	0	7	8
CNTRL17	1	M	0.0000	10	19	Y	0	10	0	0	0	0	6	11
CNTRL17	1	M	0.0000	10	20	Y	5	6	0	0	1	1	5	6

DOMINANT LETHAL GENE STUDY OF COMPOUND 71-17 STERCULIA (KARAYA) GUM

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	1	M	.0300	41	81	Y	4	7	0	0	0	1	5	9
71-17	1	M	.0300	41	82	Y	5	9	1	5	2	0	5	12
71-17	1	M	.0300	42	83	Y	0	3	0	0	0	0	6	8
71-17	1	M	.0300	42	84	Y	8	5	0	1	0	0	9	5
71-17	1	M	.0300	43	85	Y	6	4	0	0	0	0	6	5
71-17	1	M	.0300	43	86	N	0	0	0	0	0	0	0	0
71-17	1	M	.0300	44	87	Y	8	6	0	0	1	0	9	6
71-17	1	M	.0300	44	88	Y	7	5	0	0	0	0	7	7
71-17	1	M	.0300	45	89	Y	4	8	0	0	1	2	4	8
71-17	1	M	.0300	45	90	Y	7	7	1	0	0	0	8	7
71-17	1	M	.0300	46	91	Y	8	4	0	0	0	0	9	4
71-17	1	M	.0300	46	92	Y	9	2	0	0	0	0	10	2
71-17	1	M	.0300	47	93	Y	6	7	0	0	0	0	6	7
71-17	1	M	.0300	47	94	Y	7	6	0	0	0	0	8	6
71-17	1	M	.0300	48	95	Y	5	9	1	2	0	0	5	10
71-17	1	M	.0300	48	96	Y	3	6	0	1	0	0	6	6
71-17	1	M	.0300	49	97	Y	1	0	0	0	0	0	4	9
71-17	1	M	.0300	49	98	Y	7	6	0	0	0	0	8	6
71-17	1	M	.0300	50	99	Y	4	9	0	0	0	0	4	9
71-17	1	M	.0300	50	100	Y	8	7	0	0	0	0	8	7
71-17	1	M	2.5000	51	101	Y	6	5	0	0	0	0	6	5
71-17	1	M	2.5000	51	102	Y	7	5	0	0	0	0	8	5
71-17	1	M	2.5000	52	103	Y	3	9	0	0	0	0	3	10
71-17	1	M	2.5000	52	104	Y	6	5	0	0	0	0	6	5
71-17	1	M	2.5000	53	105	Y	0	4	0	1	0	0	7	4
71-17	1	M	2.5000	53	106	Y	7	6	0	0	0	0	7	7
71-17	1	M	2.5000	54	107	Y	9	5	3	2	0	0	9	5
71-17	1	M	2.5000	54	108	Y	8	4	1	0	2	2	8	4
71-17	1	M	2.5000	55	109	Y	5	6	0	0	0	0	5	6
71-17	1	M	2.5000	55	110	Y	7	5	0	0	0	0	7	5
71-17	1	M	2.5000	56	111	Y	7	6	0	0	1	0	7	6
71-17	1	M	2.5000	56	112	N	0	0	0	0	0	0	0	0
71-17	1	M	2.5000	57	113	Y	4	6	0	0	1	0	4	6
71-17	1	M	2.5000	57	114	Y	4	9	0	0	0	0	4	9
71-17	1	M	2.5000	58	115	N	0	0	0	0	0	0	0	0
71-17	1	M	2.5000	58	116	N	0	0	0	0	0	0	0	0
71-17	1	M	2.5000	59	117	Y	7	5	0	0	0	0	7	5
71-17	1	M	2.5000	59	118	Y	8	6	0	0	0	1	8	6
71-17	1	M	2.5000	60	119	Y	3	9	0	0	0	0	3	9
71-17	1	M	2.5000	60	120	Y	5	9	0	0	0	0	5	9

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	1	M	5.0000	61	121	N	0	0	0	0	0	0	0	0
71-17	1	M	5.0000	61	122	N	0	0	0	0	0	0	0	0
71-17	1	M	5.0000	62	123	Y	8	4	0	0	0	0	8	4
71-17	1	M	5.0000	62	124	N	0	0	0	0	0	0	0	0
71-17	1	M	5.0000	63	125	N	0	0	0	0	0	0	0	0
71-17	1	M	5.0000	63	126	N	0	0	0	0	0	0	0	0
71-17	1	M	5.0000	64	127	Y	7	6	0	0	1	0	10	6
71-17	1	M	5.0000	64	128	Y	6	4	2	2	0	1	8	7
71-17	1	M	5.0000	65	129	Y	8	4	0	0	0	0	9	4
71-17	1	M	5.0000	65	130	Y	6	7	0	0	0	0	6	7
71-17	1	M	5.0000	66	131	N	0	0	0	0	0	0	0	0
71-17	1	M	5.0000	66	132	N	0	0	0	0	0	0	0	0
71-17	1	M	5.0000	67	133	Y	5	8	0	0	0	1	5	8
71-17	1	M	5.0000	67	134	Y	1	5	0	0	0	0	6	5
71-17	1	M	5.0000	68	135	Y	5	8	0	1	0	0	5	8
71-17	1	M	5.0000	68	136	Y	4	9	0	1	1	0	4	9
71-17	1	M	5.0000	69	137	N	0	0	0	0	0	0	0	0
71-17	1	M	5.0000	69	138	N	0	0	0	0	0	0	0	0
71-17	1	M	5.0000	70	139	N	0	0	0	0	0	0	0	0
71-17	1	M	5.0000	70	140	Y	3	9	0	0	0	0	3	9

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
CNTRL17	2	S	0.0000	1	1	Y	3	9	0	0	0	0	4	9
CNTRL17	2	S	0.0000	1	2	Y	6	7	1	0	0	0	6	7
CNTRL17	2	S	0.0000	2	3	Y	6	5	0	0	0	0	7	5
CNTRL17	2	S	0.0000	2	4	Y	8	5	0	0	0	0	8	6
CNTRL17	2	S	0.0000	3	5	Y	5	6	0	0	0	0	6	6
CNTRL17	2	S	0.0000	3	6	Y	0	4	0	0	0	0	9	4
CNTRL17	2	S	0.0000	4	7	Y	8	7	0	0	0	0	8	7
CNTRL17	2	S	0.0000	4	8	Y	8	5	0	0	0	0	8	5
CNTRL17	2	S	0.0000	5	9	Y	7	6	0	0	1	0	7	6
CNTRL17	2	S	0.0000	5	10	Y	12	3	0	0	1	0	17	9
CNTRL17	2	S	0.0000	6	11	Y	5	7	0	0	0	1	5	7
CNTRL17	2	S	0.0000	6	12	Y	6	7	1	0	0	0	6	7
CNTRL17	2	S	0.0000	7	13	Y	11	6	0	0	2	1	11	6
CNTRL17	2	S	0.0000	7	14	Y	8	5	0	1	0	0	8	5
CNTRL17	2	S	0.0000	8	15	Y	5	10	0	0	0	1	5	10
CNTRL17	2	S	0.0000	8	16	Y	6	8	0	1	0	0	6	8
CNTRL17	2	S	0.0000	9	17	Y	6	6	0	0	0	0	6	6
CNTRL17	2	S	0.0000	9	18	Y	2	12	0	0	0	0	2	12
CNTRL17	2	S	0.0000	10	19	Y	7	10	0	0	0	0	7	10
CNTRL17	2	S	0.0000	10	20	Y	6	4	0	0	4	2	7	4
71-17	2	S	.0300	51	101	Y	1	0	0	0	0	0	5	5
71-17	2	S	.0300	51	102	Y	3	7	0	0	0	0	5	8
71-17	2	S	.0300	52	103	Y	7	6	0	0	0	0	9	8
71-17	2	S	.0300	52	104	Y	4	7	0	0	0	0	4	7
71-17	2	S	.0300	53	105	Y	7	7	0	0	0	0	8	8
71-17	2	S	.0300	53	106	N	0	0	0	0	0	0	0	0
71-17	2	S	.0300	54	107	Y	9	6	0	0	0	0	9	6
71-17	2	S	.0300	54	108	Y	6	10	0	0	0	0	7	10
71-17	2	S	.0300	55	109	Y	5	9	0	0	1	0	5	9
71-17	2	S	.0300	55	110	Y	5	10	0	0	0	0	5	11
71-17	2	S	.0300	56	111	Y	6	6	1	0	0	0	6	7
71-17	2	S	.0300	56	112	Y	5	7	0	0	0	1	5	7
71-17	2	S	.0300	57	113	Y	9	5	0	0	0	0	9	5
71-17	2	S	.0300	57	114	Y	12	2	0	0	2	1	12	2
71-17	2	S	.0300	58	115	Y	0	7	0	0	0	0	7	9
71-17	2	S	.0300	58	116	Y	9	2	1	0	0	0	9	3
71-17	2	S	.0300	59	117	Y	5	7	0	0	0	0	11	11
71-17	2	S	.0300	59	118	N	0	0	0	0	0	0	0	0
71-17	2	S	.0300	60	119	Y	8	7	0	0	1	0	8	8
71-17	2	S	.0300	60	120	Y	9	5	0	0	1	0	9	5

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	2	S	2.5000	61	121	Y	7	8	0	0	0	0	7	8
71-17	2	S	2.5000	61	122	Y	6	6	0	0	0	0	6	6
71-17	2	S	2.5000	62	123	Y	7	5	1	0	0	0	7	5
71-17	2	S	2.5000	62	124	N	0	0	0	0	0	0	0	0
71-17	2	S	2.5000	63	125	Y	4	7	0	0	0	1	5	9
71-17	2	S	2.5000	63	126	Y	7	5	0	0	0	0	7	5
71-17	2	S	2.5000	64	127	N	0	0	0	0	0	0	0	0
71-17	2	S	2.5000	64	128	Y	2	8	0	0	0	0	4	9
71-17	2	S	2.5000	65	129	Y	7	5	1	0	0	0	7	7
71-17	2	S	2.5000	65	130	Y	6	8	0	0	0	0	6	8
71-17	2	S	2.5000	66	131	Y	7	6	0	0	1	1	8	6
71-17	2	S	2.5000	66	132	Y	6	7	0	0	0	0	6	8
71-17	2	S	2.5000	67	133	Y	5	7	0	0	1	2	7	7
71-17	2	S	2.5000	67	134	Y	3	11	0	0	0	0	3	11
71-17	2	S	2.5000	68	135	Y	7	4	0	0	0	0	8	5
71-17	2	S	2.5000	68	136	Y	9	3	0	0	0	0	9	4
71-17	2	S	2.5000	69	137	Y	5	6	0	0	0	1	5	6
71-17	2	S	2.5000	69	138	Y	8	5	0	0	0	0	9	5
71-17	2	S	2.5000	70	139	Y	9	6	0	0	0	0	9	8
71-17	2	S	2.5000	70	140	Y	7	5	0	0	0	0	7	5
71-17	2	S	5.0000	71	141	Y	5	7	0	0	0	0	7	7
71-17	2	S	5.0000	71	142	Y	7	5	0	0	0	0	8	5
71-17	2	S	5.0000	72	143	Y	7	6	0	0	0	0	7	6
71-17	2	S	5.0000	72	144	Y	1	3	0	1	0	0	5	5
71-17	2	S	5.0000	73	145	Y	9	5	0	0	1	0	9	5
71-17	2	S	5.0000	73	146	Y	8	7	0	0	0	0	8	7
71-17	2	S	5.0000	74	147	Y	9	6	0	0	0	1	9	6
71-17	2	S	5.0000	74	148	Y	6	8	0	0	0	0	7	8
71-17	2	S	5.0000	75	149	Y	5	4	0	0	0	0	8	6
71-17	2	S	5.0000	75	150	Y	7	7	0	0	0	0	8	7
71-17	2	S	5.0000	76	151	N	0	0	0	0	0	0	0	0
71-17	2	S	5.0000	76	152	Y	5	9	0	0	0	0	5	11
71-17	2	S	5.0000	77	153	Y	8	3	0	0	0	0	8	4
71-17	2	S	5.0000	77	154	Y	7	4	0	0	0	0	8	4
71-17	2	S	5.0000	78	155	Y	10	3	0	0	3	0	11	3
71-17	2	S	5.0000	78	156	Y	6	5	0	0	0	0	6	5
71-17	2	S	5.0000	79	157	Y	5	6	0	0	0	0	5	6
71-17	2	S	5.0000	79	158	Y	4	11	0	0	0	0	4	11
71-17	2	S	5.0000	80	159	Y	5	7	0	0	1	1	6	7
71-17	2	S	5.0000	80	160	Y	7	8	0	0	0	0	7	9

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
TEM17	2	S	.0002	11	21	Y	5	2	0	0	5	2	5	2
TEM17	2	S	.0002	11	22	Y	4	2	0	0	0	0	7	6
TEM17	2	S	.0002	12	23	Y	2	9	2	8	0	0	3	9
TEM17	2	S	.0002	12	24	N	0	0	0	0	0	0	0	0
TEM17	2	S	.0002	13	25	Y	7	3	0	0	5	0	8	6
TEM17	2	S	.0002	13	26	Y	8	5	0	0	6	5	8	6
TEM17	2	S	.0002	14	27	Y	3	2	3	2	0	0	4	6
TEM17	2	S	.0002	14	28	Y	1	5	1	5	0	0	6	7
TEM17	2	S	.0002	15	29	Y	2	3	0	0	0	0	6	6
TEM17	2	S	.0002	15	30	Y	3	6	3	6	0	0	4	6
TEM17	2	S	.0002	16	31	Y	3	5	3	5	0	0	4	7
TEM17	2	S	.0002	16	32	Y	4	8	3	5	0	0	5	8
TEM17	2	S	.0002	17	33	Y	5	6	0	0	0	1	11	7
TEM17	2	S	.0002	17	34	Y	4	8	0	0	4	7	5	8
TEM17	2	S	.0002	18	35	Y	8	4	8	3	0	0	9	4
TEM17	2	S	.0002	18	36	Y	6	4	5	4	0	0	7	4
TEM17	2	S	.0002	19	37	Y	6	5	1	0	1	1	8	7
TEM17	2	S	.0002	19	38	Y	3	5	3	5	0	0	4	6
TEM17	2	S	.0002	20	39	Y	5	8	4	7	0	0	6	8
TEM17	2	S	.0002	20	40	Y	2	9	2	6	0	0	2	12
CNTRL17	2	M	0.0000	1	1	Y	3	9	0	0	0	0	4	9
CNTRL17	2	M	0.0000	1	2	Y	6	7	1	0	0	0	6	7
CNTRL17	2	M	0.0000	2	3	Y	6	5	0	0	0	0	7	5
CNTRL17	2	M	0.0000	2	4	Y	8	5	0	0	0	0	8	6
CNTRL17	2	M	0.0000	3	5	Y	5	6	0	0	0	0	6	6
CNTRL17	2	M	0.0000	3	6	Y	0	4	0	0	0	0	9	4
CNTRL17	2	M	0.0000	4	7	Y	8	7	0	0	0	0	8	7
CNTRL17	2	M	0.0000	4	8	Y	8	5	0	0	0	0	8	5
CNTRL17	2	M	0.0000	5	9	Y	7	6	0	0	1	0	7	6
CNTRL17	2	M	0.0000	5	10	Y	12	3	0	0	1	0	17	9
CNTRL17	2	M	0.0000	6	11	Y	5	7	0	0	0	1	5	7
CNTRL17	2	M	0.0000	6	12	Y	6	7	1	0	0	0	6	7
CNTRL17	2	M	0.0000	7	13	Y	11	6	0	0	2	1	11	6
CNTRL17	2	M	0.0000	7	14	Y	8	5	0	1	0	0	8	5
CNTRL17	2	M	0.0000	8	15	Y	5	10	0	0	0	1	5	10
CNTRL17	2	M	0.0000	8	16	Y	6	8	0	1	0	0	6	8
CNTRL17	2	M	0.0000	9	17	Y	6	6	0	0	0	0	6	6
CNTRL17	2	M	0.0000	9	18	Y	2	12	0	0	0	0	2	12
CNTRL17	2	M	0.0000	10	19	Y	7	10	0	0	0	0	7	10
CNTRL17	2	M	0.0000	10	20	Y	6	4	0	0	4	2	7	4

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	2	M	.0300	41	81	Y	7	5	0	0	0	1	8	7
71-17	2	M	.0300	41	82	Y	8	4	0	0	2	0	8	5
71-17	2	M	.0300	42	83	Y	3	10	0	2	0	0	3	10
71-17	2	M	.0300	42	84	Y	7	5	0	0	0	0	7	5
71-17	2	M	.0300	43	85	Y	4	8	0	0	1	0	4	8
71-17	2	M	.0300	43	86	Y	10	6	0	0	5	0	10	6
71-17	2	M	.0300	44	87	Y	8	4	0	0	0	0	8	4
71-17	2	M	.0300	44	88	Y	8	3	0	1	0	0	8	3
71-17	2	M	.0300	45	89	Y	5	10	0	0	0	0	5	11
71-17	2	M	.0300	45	90	Y	5	5	0	0	0	0	5	5
71-17	2	M	.0300	46	91	Y	8	4	1	0	0	0	8	5
71-17	2	M	.0300	46	92	Y	4	10	0	0	0	0	4	10
71-17	2	M	.0300	47	93	Y	5	8	0	0	0	0	5	8
71-17	2	M	.0300	47	94	Y	10	4	0	1	0	0	10	4
71-17	2	M	.0300	48	95	Y	7	3	0	0	0	0	8	4
71-17	2	M	.0300	48	96	Y	7	5	0	0	0	0	7	5
71-17	2	M	.0300	49	97	Y	8	5	0	0	2	1	8	5
71-17	2	M	.0300	49	98	Y	8	3	0	0	0	2	8	4
71-17	2	M	.0300	50	99	Y	8	9	0	1	0	0	8	9
71-17	2	M	.0300	50	100	Y	7	8	1	1	0	0	7	8
71-17	2	M	2.5000	51	101	Y	5	8	1	1	0	0	6	8
71-17	2	M	2.5000	51	102	Y	6	5	0	0	0	0	6	5
71-17	2	M	2.5000	52	103	Y	6	6	0	0	1	0	6	6
71-17	2	M	2.5000	52	104	Y	7	5	0	1	0	0	7	5
71-17	2	M	2.5000	53	105	Y	7	5	0	0	0	1	8	5
71-17	2	M	2.5000	53	106	Y	4	11	0	1	3	5	5	15
71-17	2	M	2.5000	54	107	Y	5	9	0	0	0	0	5	10
71-17	2	M	2.5000	54	108	Y	7	5	0	0	0	0	8	5
71-17	2	M	2.5000	55	109	Y	7	7	0	1	0	0	7	7
71-17	2	M	2.5000	55	110	Y	5	8	0	0	0	0	5	8
71-17	2	M	2.5000	56	111	Y	8	5	1	0	0	0	8	6
71-17	2	M	2.5000	56	112	Y	8	6	0	0	1	0	8	7
71-17	2	M	2.5000	57	113	Y	7	6	0	0	0	0	7	6
71-17	2	M	2.5000	57	114	Y	6	7	0	0	0	0	6	7
71-17	2	M	2.5000	58	115	Y	4	6	0	0	0	0	5	7
71-17	2	M	2.5000	58	116	N	0	0	0	0	0	0	0	0
71-17	2	M	2.5000	59	117	Y	7	9	0	0	0	0	7	9
71-17	2	M	2.5000	59	118	Y	6	6	0	0	0	0	6	7
71-17	2	M	2.5000	60	119	Y	10	3	0	0	0	0	11	4
71-17	2	M	2.5000	60	120	Y	8	5	0	0	0	0	9	5

DOMINANT LETHAL GENE STUDY OF COMPOUND 71-17 STERCULIA (KARAYA) GUM

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	2	M	5.0000	61	121	N	0	0	0	0	0	0	0	0
71-17	2	M	5.0000	61	122	N	0	0	0	0	0	0	0	0
71-17	2	M	5.0000	62	123	Y	5	7	1	0	0	0	5	7
71-17	2	M	5.0000	62	124	N	0	0	0	0	0	0	0	0
71-17	2	M	5.0000	63	125	Y	7	8	0	0	1	0	9	8
71-17	2	M	5.0000	63	126	N	0	0	0	0	0	0	0	0
71-17	2	M	5.0000	64	127	Y	8	5	2	1	0	0	9	5
71-17	2	M	5.0000	64	128	Y	3	9	0	0	0	0	3	9
71-17	2	M	5.0000	65	129	Y	1	9	0	0	0	0	1	9
71-17	2	M	5.0000	65	130	Y	1	10	0	0	0	0	1	10
71-17	2	M	5.0000	66	131	N	0	0	0	0	0	0	0	0
71-17	2	M	5.0000	66	132	Y	3	4	0	0	0	0	6	6
71-17	2	M	5.0000	67	133	Y	5	7	0	0	2	0	5	7
71-17	2	M	5.0000	67	134	N	0	0	0	0	0	0	0	0
71-17	2	M	5.0000	68	135	N	0	0	0	0	0	0	0	0
71-17	2	M	5.0000	68	136	Y	7	4	0	0	0	0	7	4
71-17	2	M	5.0000	69	137	Y	4	7	0	0	0	0	4	7
71-17	2	M	5.0000	69	138	Y	4	8	0	0	0	0	4	8
71-17	2	M	5.0000	70	139	N	0	0	0	0	0	0	0	0
71-17	2	M	5.0000	70	140	Y	1	4	1	3	0	0	7	7

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
CNTRL17	3	S	0.0000	1	1	Y	6	7	0	0	0	0	6	7
CNTRL17	3	S	0.0000	1	2	Y	11	4	0	0	0	0	11	4
CNTRL17	3	S	0.0000	2	3	Y	3	9	0	0	0	0	3	9
CNTRL17	3	S	0.0000	2	4	Y	7	6	0	0	0	0	10	6
CNTRL17	3	S	0.0000	3	5	Y	6	7	0	0	0	0	6	7
CNTRL17	3	S	0.0000	3	6	Y	5	9	0	0	1	2	5	9
CNTRL17	3	S	0.0000	4	7	Y	6	7	0	0	1	0	7	7
CNTRL17	3	S	0.0000	4	8	Y	4	4	0	0	0	0	6	9
CNTRL17	3	S	0.0000	5	9	Y	7	5	0	0	1	0	8	5
CNTRL17	3	S	0.0000	5	10	Y	9	5	1	1	0	0	9	6
CNTRL17	3	S	0.0000	6	11	Y	6	8	0	0	1	0	6	8
CNTRL17	3	S	0.0000	6	12	Y	4	8	0	0	0	0	5	8
CNTRL17	3	S	0.0000	7	13	Y	5	7	0	0	1	0	5	7
CNTRL17	3	S	0.0000	7	14	Y	5	7	0	0	1	0	5	7
CNTRL17	3	S	0.0000	8	15	Y	6	8	0	0	0	0	6	8
CNTRL17	3	S	0.0000	8	16	Y	2	11	0	0	0	0	2	14
CNTRL17	3	S	0.0000	9	17	Y	6	3	0	0	0	0	6	7
CNTRL17	3	S	0.0000	9	18	Y	8	3	0	0	3	1	9	4
CNTRL17	3	S	0.0000	10	19	Y	5	7	0	0	0	0	5	7
CNTRL17	3	S	0.0000	10	20	Y	6	5	0	0	0	0	7	5
71-17	3	S	.0300	51	81	Y	4	8	0	0	0	0	4	8
71-17	3	S	.0300	51	82	Y	2	2	0	1	0	0	4	9
71-17	3	S	.0300	52	83	Y	3	9	0	0	0	0	4	10
71-17	3	S	.0300	52	84	Y	6	6	0	1	0	0	6	6
71-17	3	S	.0300	53	85	Y	5	5	0	0	0	0	5	5
71-17	3	S	.0300	53	86	Y	8	5	1	0	0	0	8	5
71-17	3	S	.0300	54	87	Y	7	5	0	0	0	0	7	5
71-17	3	S	.0300	54	88	Y	5	7	0	1	0	0	5	7
71-17	3	S	.0300	55	89	Y	7	5	0	0	1	0	7	5
71-17	3	S	.0300	55	90	Y	7	10	2	0	0	0	7	10
71-17	3	S	.0300	56	91	Y	7	5	1	0	0	0	8	5
71-17	3	S	.0300	56	92	N	0	0	0	0	0	0	0	0
71-17	3	S	.0300	57	93	Y	6	8	0	0	0	0	6	8
71-17	3	S	.0300	57	94	Y	5	7	0	0	0	0	6	7
71-17	3	S	.0300	58	95	Y	8	4	1	0	0	0	8	5
71-17	3	S	.0300	58	96	Y	5	10	0	0	0	0	5	11
71-17	3	S	.0300	59	97	Y	8	4	0	0	0	0	9	4
71-17	3	S	.0300	59	98	Y	6	7	0	0	0	0	6	7
71-17	3	S	.0300	60	99	Y	4	7	0	0	0	0	4	7
71-17	3	S	.0300	60	100	Y	6	9	0	0	0	0	6	9

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	3	S	2.5000	61	101	Y	6	6	0	0	1	0	6	7
71-17	3	S	2.5000	61	102	Y	7	4	0	0	0	0	8	4
71-17	3	S	2.5000	62	103	Y	9	5	2	0	0	0	9	5
71-17	3	S	2.5000	62	104	N	0	0	0	0	0	0	0	0
71-17	3	S	2.5000	63	105	Y	7	6	0	0	0	0	7	6
71-17	3	S	2.5000	63	106	Y	7	4	0	0	0	0	7	4
71-17	3	S	2.5000	64	107	Y	0	6	0	0	0	0	6	6
71-17	3	S	2.5000	64	108	Y	3	7	0	0	0	0	3	8
71-17	3	S	2.5000	65	109	Y	6	6	0	0	0	0	6	7
71-17	3	S	2.5000	65	110	Y	9	1	0	0	0	0	9	4
71-17	3	S	2.5000	66	111	Y	6	3	2	0	1	1	7	8
71-17	3	S	2.5000	66	112	N	0	0	0	0	0	0	0	0
71-17	3	S	2.5000	67	113	Y	6	6	0	0	1	0	6	6
71-17	3	S	2.5000	67	114	Y	6	7	0	0	0	0	6	7
71-17	3	S	2.5000	68	115	Y	4	10	2	0	0	0	5	10
71-17	3	S	2.5000	68	116	Y	5	8	0	0	0	0	5	8
71-17	3	S	2.5000	69	117	Y	6	7	0	0	0	1	6	7
71-17	3	S	2.5000	69	118	Y	3	0	0	0	0	0	6	7
71-17	3	S	2.5000	70	119	Y	5	5	0	0	0	0	5	6
71-17	3	S	2.5000	70	120	Y	7	8	1	0	0	0	7	8
71-17	3	S	5.0000	71	121	Y	1	6	1	0	0	0	7	7
71-17	3	S	5.0000	71	122	Y	5	6	1	0	0	0	6	7
71-17	3	S	5.0000	72	123	Y	2	11	0	2	0	0	2	11
71-17	3	S	5.0000	72	124	Y	6	5	1	0	0	0	6	5
71-17	3	S	5.0000	73	125	Y	5	9	0	0	1	0	5	9
71-17	3	S	5.0000	73	126	Y	1	0	0	0	1	0	6	4
71-17	3	S	5.0000	74	127	Y	8	5	0	0	0	0	9	5
71-17	3	S	5.0000	74	128	Y	6	7	0	0	0	0	6	7
71-17	3	S	5.0000	75	129	Y	7	7	0	0	1	0	7	7
71-17	3	S	5.0000	75	130	Y	4	6	0	0	0	0	4	7
71-17	3	S	5.0000	76	131	Y	5	6	0	0	0	0	5	7
71-17	3	S	5.0000	76	132	Y	6	5	0	0	0	0	6	7
71-17	3	S	5.0000	77	133	Y	4	8	0	0	0	0	4	9
71-17	3	S	5.0000	77	134	Y	5	8	0	0	1	2	5	9
71-17	3	S	5.0000	78	135	Y	6	7	2	0	0	4	7	8
71-17	3	S	5.0000	78	136	Y	10	6	0	0	0	0	10	7
71-17	3	S	5.0000	79	137	Y	5	6	0	0	0	0	5	6
71-17	3	S	5.0000	79	138	Y	4	8	0	0	0	0	4	8
71-17	3	S	5.0000	80	139	Y	6	9	0	0	0	0	7	10
71-17	3	S	5.0000	80	140	Y	8	5	0	1	0	0	8	5

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
TEM17	3	S	.0002	11	21	Y	5	3	0	0	4	3	5	8
TEM17	3	S	.0002	11	22	Y	2	6	2	6	0	0	6	6
TEM17	3	S	.0002	12	23	Y	7	4	5	4	0	0	8	5
TEM17	3	S	.0002	12	24	Y	4	2	2	1	2	1	5	5
TEM17	3	S	.0002	13	25	Y	6	7	5	7	0	0	8	7
TEM17	3	S	.0002	13	26	Y	4	2	0	1	3	1	8	6
TEM17	3	S	.0002	14	27	Y	4	3	4	3	0	0	5	8
TEM17	3	S	.0002	14	28	Y	5	5	4	4	0	0	5	6
TEM17	3	S	.0002	15	29	Y	2	6	1	3	0	0	3	8
TEM17	3	S	.0002	15	30	Y	3	4	0	0	3	3	5	6
TEM17	3	S	.0002	16	31	Y	2	4	2	4	0	0	5	6
TEM17	3	S	.0002	16	32	Y	5	5	3	3	1	1	6	6
TEM17	3	S	.0002	17	33	Y	5	5	0	0	0	1	5	5
TEM17	3	S	.0002	17	34	Y	2	10	2	7	0	0	2	10
TEM17	3	S	.0002	18	35	Y	7	4	7	4	0	0	8	5
TEM17	3	S	.0002	18	36	N	0	0	0	0	0	0	0	0
TEM17	3	S	.0002	19	37	Y	5	7	3	5	0	1	6	7
TEM17	3	S	.0002	19	38	Y	4	5	0	0	4	5	6	6
TEM17	3	S	.0002	20	39	Y	5	7	4	7	0	0	5	7
TEM17	3	S	.0002	20	40	N	0	0	0	0	0	0	0	0
CNTRL17	3	M	0.0000	1	1	Y	6	7	0	0	0	0	6	7
CNTRL17	3	M	0.0000	1	2	Y	11	4	0	0	0	0	11	4
CNTRL17	3	M	0.0000	2	3	Y	3	9	0	0	0	0	3	9
CNTRL17	3	M	0.0000	2	4	Y	7	6	0	0	0	0	10	6
CNTRL17	3	M	0.0000	3	5	Y	6	7	0	0	0	0	6	7
CNTRL17	3	M	0.0000	3	6	Y	5	9	0	0	1	2	5	9
CNTRL17	3	M	0.0000	4	7	Y	6	7	0	0	1	0	7	7
CNTRL17	3	M	0.0000	4	8	Y	4	4	0	0	0	0	6	9
CNTRL17	3	M	0.0000	5	9	Y	7	5	0	0	1	0	8	5
CNTRL17	3	M	0.0000	5	10	Y	9	5	1	1	0	0	9	6
CNTRL17	3	M	0.0000	6	11	Y	6	8	0	0	1	0	6	8
CNTRL17	3	M	0.0000	6	12	Y	4	6	0	0	0	0	5	8
CNTRL17	3	M	0.0000	7	13	Y	5	7	0	0	1	0	5	7
CNTRL17	3	M	0.0000	7	14	Y	5	7	0	0	1	0	5	7
CNTRL17	3	M	0.0000	8	15	Y	6	8	0	0	0	0	6	8
CNTRL17	3	M	0.0000	8	16	Y	2	11	0	0	0	0	2	14
CNTRL17	3	M	0.0000	9	17	Y	6	3	0	0	0	0	6	7
CNTRL17	3	M	0.0000	9	18	Y	8	3	0	0	3	1	9	4
CNTRL17	3	M	0.0000	10	19	Y	5	7	0	0	0	0	5	7
CNTRL17	3	M	0.0000	10	20	Y	6	5	0	0	0	0	7	5

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	3	M	.0300	41	81	Y	6	6	0	1	0	0	6	8
71-17	3	M	.0300	41	82	Y	4	9	0	1	0	0	4	8
71-17	3	M	.0300	42	83	Y	6	7	0	0	0	0	6	7
71-17	3	M	.0300	42	84	Y	5	6	0	0	0	0	5	6
71-17	3	M	.0300	43	85	Y	5	10	0	0	0	0	5	10
71-17	3	M	.0300	43	86	Y	6	5	0	0	0	0	6	5
71-17	3	M	.0300	44	87	Y	7	5	1	0	0	0	7	5
71-17	3	M	.0300	44	88	Y	5	7	0	0	0	0	5	7
71-17	3	M	.0300	45	89	Y	5	7	1	1	0	0	5	7
71-17	3	M	.0300	45	90	Y	6	6	0	1	0	0	6	6
71-17	3	M	.0300	46	91	Y	2	8	0	2	0	0	3	8
71-17	3	M	.0300	46	92	Y	5	7	0	0	0	0	5	7
71-17	3	M	.0300	47	93	Y	7	4	0	2	0	0	7	5
71-17	3	M	.0300	47	94	Y	6	6	0	0	1	1	6	7
71-17	3	M	.0300	48	95	Y	9	2	0	0	0	0	10	3
71-17	3	M	.0300	48	96	Y	5	6	0	1	0	0	8	6
71-17	3	M	.0300	49	97	Y	10	3	0	0	0	0	11	3
71-17	3	M	.0300	49	98	Y	5	6	0	0	0	0	5	6
71-17	3	M	.0300	50	99	Y	9	6	0	0	0	0	9	6
71-17	3	M	.0300	50	100	Y	7	6	0	1	0	0	7	6
71-17	3	M	2.5000	51	101	Y	9	4	1	0	0	0	9	5
71-17	3	M	2.5000	51	102	Y	5	6	0	0	0	0	5	6
71-17	3	M	2.5000	52	103	Y	8	4	0	0	0	0	9	4
71-17	3	M	2.5000	52	104	Y	10	4	0	0	0	0	10	4
71-17	3	M	2.5000	53	105	Y	4	9	0	0	0	1	4	9
71-17	3	M	2.5000	53	106	Y	6	5	0	0	1	0	6	5
71-17	3	M	2.5000	54	107	Y	5	6	0	0	0	0	5	6
71-17	3	M	2.5000	54	108	N	0	0	0	0	0	0	0	0
71-17	3	M	2.5000	55	109	Y	7	6	1	0	0	0	7	8
71-17	3	M	2.5000	55	110	Y	8	4	0	1	0	0	8	4
71-17	3	M	2.5000	56	111	Y	6	5	2	0	1	0	7	7
71-17	3	M	2.5000	56	112	Y	3	9	0	0	0	0	3	9
71-17	3	M	2.5000	57	113	Y	4	10	0	0	0	0	4	10
71-17	3	M	2.5000	57	114	Y	8	6	0	0	0	0	8	6
71-17	3	M	2.5000	58	115	Y	7	6	0	0	0	0	7	6
71-17	3	M	2.5000	58	116	N	0	0	0	0	0	0	0	0
71-17	3	M	2.5000	59	117	Y	7	4	0	0	0	1	7	6
71-17	3	M	2.5000	59	118	Y	6	6	0	0	0	0	6	6
71-17	3	M	2.5000	60	119	Y	6	2	0	1	0	0	8	4
71-17	3	M	2.5000	60	120	Y	7	3	0	0	0	0	8	3

DOMINANT LETHAL GENE STUDY OF COMPOUND 71-17 STERCULIA (KARAYA) GUM

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	3	M	5.0000	61	121	Y	6	6	6	0	0	0	6	6
71-17	3	M	5.0000	61	122	Y	6	5	0	0	0	1	6	5
71-17	3	M	5.0000	62	123	Y	8	5	0	0	0	0	9	5
71-17	3	M	5.0000	62	124	Y	5	6	0	0	0	0	5	7
71-17	3	M	5.0000	63	125	Y	1	5	0	0	0	0	8	5
71-17	3	M	5.0000	63	126	N	0	0	0	0	0	0	0	0
71-17	3	M	5.0000	64	127	Y	6	5	2	0	0	0	8	6
71-17	3	M	5.0000	64	128	Y	5	8	1	0	0	0	5	9
71-17	3	M	5.0000	65	129	Y	8	8	0	0	0	0	8	8
71-17	3	M	5.0000	65	130	Y	6	5	1	0	0	0	6	6
71-17	3	M	5.0000	66	131	Y	4	10	0	0	0	0	4	10
71-17	3	M	5.0000	66	132	N	0	0	0	0	0	0	0	0
71-17	3	M	5.0000	67	133	Y	7	9	0	0	0	1	7	9
71-17	3	M	5.0000	67	134	Y	6	8	0	0	0	0	6	8
71-17	3	M	5.0000	68	135	Y	7	6	0	0	0	0	7	6
71-17	3	M	5.0000	68	136	Y	6	6	0	0	0	0	6	7
71-17	3	M	5.0000	69	137	Y	3	7	0	0	0	0	3	8
71-17	3	M	5.0000	69	138	Y	5	10	0	0	0	0	5	10
71-17	3	M	5.0000	70	139	Y	8	5	0	0	2	0	8	5
71-17	3	M	5.0000	70	140	N	0	0	0	0	0	0	0	0

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
CNTRL17	4	S	0.0000	1	1	Y	8	4	0	0	0	1	8	5
CNTRL17	4	S	0.0000	1	2	Y	7	4	0	0	0	0	7	4
CNTRL17	4	S	0.0000	2	3	Y	5	8	1	0	1	0	5	9
CNTRL17	4	S	0.0000	2	4	Y	6	4	0	0	0	0	6	8
CNTRL17	4	S	0.0000	3	5	Y	7	8	0	0	0	0	7	8
CNTRL17	4	S	0.0000	3	6	Y	8	7	0	0	1	0	8	7
CNTRL17	4	S	0.0000	4	7	Y	5	8	0	0	1	0	5	8
CNTRL17	4	S	0.0000	4	8	N	0	0	0	0	0	0	0	0
CNTRL17	4	S	0.0000	5	9	Y	1	0	0	0	1	0	6	4
CNTRL17	4	S	0.0000	5	10	Y	7	6	0	0	0	0	8	7
CNTRL17	4	S	0.0000	6	11	Y	6	6	0	0	2	0	6	6
CNTRL17	4	S	0.0000	6	12	Y	5	8	0	0	0	0	5	8
CNTRL17	4	S	0.0000	7	13	Y	7	8	0	1	0	1	7	8
CNTRL17	4	S	0.0000	7	14	Y	10	3	1	0	0	0	11	3
CNTRL17	4	S	0.0000	8	15	Y	5	7	0	0	0	0	6	7
CNTRL17	4	S	0.0000	8	16	Y	5	7	0	0	0	0	6	7
CNTRL17	4	S	0.0000	9	17	Y	8	7	2	0	3	0	8	7
CNTRL17	4	S	0.0000	9	18	Y	3	7	0	0	0	0	4	8
CNTRL17	4	S	0.0000	10	19	Y	4	9	0	0	0	0	4	10
CNTRL17	4	S	0.0000	10	20	Y	6	8	0	0	0	0	6	8
71-17	4	S	.0300	51	101	Y	3	9	0	0	1	0	10	12
71-17	4	S	.0300	51	102	Y	7	4	0	0	0	0	8	5
71-17	4	S	.0300	52	103	Y	4	9	0	0	0	0	4	9
71-17	4	S	.0300	52	104	Y	4	8	0	0	0	0	4	9
71-17	4	S	.0300	53	105	Y	6	7	0	0	1	0	6	7
71-17	4	S	.0300	53	106	Y	5	9	1	1	0	0	5	9
71-17	4	S	.0300	54	107	Y	8	4	0	1	0	0	9	4
71-17	4	S	.0300	54	108	Y	6	6	2	1	1	0	6	6
71-17	4	S	.0300	55	109	Y	0	3	0	0	0	0	5	8
71-17	4	S	.0300	55	110	Y	5	9	0	0	0	0	5	9
71-17	4	S	.0300	56	111	Y	5	7	0	0	1	0	5	7
71-17	4	S	.0300	56	112	Y	4	10	0	0	0	0	4	10
71-17	4	S	.0300	57	113	Y	4	9	1	1	0	0	5	9
71-17	4	S	.0300	57	114	Y	6	7	0	0	0	0	6	7
71-17	4	S	.0300	58	115	Y	5	1	0	0	0	0	8	8
71-17	4	S	.0300	58	116	Y	7	7	0	0	2	1	7	7
71-17	4	S	.0300	59	117	Y	5	8	0	1	0	0	5	8
71-17	4	S	.0300	59	118	N	0	0	0	0	0	0	0	0
71-17	4	S	.0300	60	119	Y	7	5	0	0	0	0	8	5
71-17	4	S	.0300	60	120	Y	7	5	1	0	0	0	8	5

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	4	S	2.5000	61	121	Y	6	6	0	0	1	0	7	8
71-17	4	S	2.5000	61	122	Y	10	3	0	0	0	0	10	3
71-17	4	S	2.5000	62	123	Y	7	5	0	0	0	0	7	6
71-17	4	S	2.5000	62	124	N	0	0	0	0	0	0	0	0
71-17	4	S	2.5000	63	125	Y	6	6	0	0	0	0	6	6
71-17	4	S	2.5000	63	126	Y	6	9	0	0	1	0	6	9
71-17	4	S	2.5000	64	127	Y	7	6	1	0	0	0	7	6
71-17	4	S	2.5000	64	128	Y	3	6	0	1	0	0	4	8
71-17	4	S	2.5000	65	129	Y	7	6	0	0	0	0	7	6
71-17	4	S	2.5000	65	130	Y	6	9	0	1	0	0	6	9
71-17	4	S	2.5000	66	131	Y	9	8	0	0	0	0	9	8
71-17	4	S	2.5000	66	132	Y	5	9	0	0	0	0	5	9
71-17	4	S	2.5000	67	133	Y	6	5	0	1	0	0	6	5
71-17	4	S	2.5000	67	134	Y	3	6	1	1	0	0	6	8
71-17	4	S	2.5000	68	135	Y	3	4	0	0	0	0	3	5
71-17	4	S	2.5000	68	136	Y	3	8	0	0	0	0	3	8
71-17	4	S	2.5000	69	137	Y	2	4	2	0	0	0	11	6
71-17	4	S	2.5000	69	138	Y	10	3	0	0	3	0	10	3
71-17	4	S	2.5000	70	139	Y	1	5	0	1	0	0	5	9
71-17	4	S	2.5000	70	140	Y	8	6	0	1	0	0	8	6
71-17	4	S	5.0000	71	141	Y	6	8	0	0	0	0	6	9
71-17	4	S	5.0000	71	142	Y	5	8	0	0	0	2	6	8
71-17	4	S	5.0000	72	143	Y	5	7	0	0	0	0	5	8
71-17	4	S	5.0000	72	144	N	0	0	0	0	0	0	0	0
71-17	4	S	5.0000	73	145	Y	7	8	0	0	0	0	7	8
71-17	4	S	5.0000	73	146	Y	9	4	2	0	0	0	9	4
71-17	4	S	5.0000	74	147	Y	6	7	0	0	0	0	6	7
71-17	4	S	5.0000	74	148	Y	10	3	0	0	0	0	10	4
71-17	4	S	5.0000	75	149	Y	7	6	0	0	0	0	7	7
71-17	4	S	5.0000	75	150	Y	8	5	1	0	0	0	8	5
71-17	4	S	5.0000	76	151	Y	5	8	0	1	0	0	6	8
71-17	4	S	5.0000	76	152	Y	5	5	1	0	0	0	5	5
71-17	4	S	5.0000	77	153	Y	5	6	1	0	0	0	6	8
71-17	4	S	5.0000	77	154	N	0	0	0	0	0	0	0	0
71-17	4	S	5.0000	78	155	Y	6	5	0	0	0	0	8	6
71-17	4	S	5.0000	78	156	Y	10	5	0	0	0	0	10	5
71-17	4	S	5.0000	79	157	Y	5	6	0	1	0	0	5	6
71-17	4	S	5.0000	79	158	Y	4	10	0	1	0	0	4	10
71-17	4	S	5.0000	80	159	Y	6	9	0	0	0	0	6	9
71-17	4	S	5.0000	80	160	Y	7	5	1	0	0	0	7	5

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
TEM17	4	S	.0002	11	21	Y	5	2	4	2	0	0	6	7
TEM17	4	S	.0002	11	22	Y	1	3	0	0	0	3	8	4
TEM17	4	S	.0002	12	23	Y	3	5	3	5	0	0	5	7
TEM17	4	S	.0002	12	24	Y	1	2	1	2	0	0	8	3
TEM17	4	S	.0002	13	25	Y	2	1	2	1	0	0	8	4
TEM17	4	S	.0002	13	26	Y	1	1	1	1	0	0	9	6
TEM17	4	S	.0002	14	27	Y	1	3	1	3	0	0	4	9
TEM17	4	S	.0002	14	28	Y	3	0	3	0	0	0	5	5
TEM17	4	S	.0002	15	29	Y	6	4	6	3	0	1	7	4
TEM17	4	S	.0002	15	30	Y	4	4	1	1	3	2	6	9
TEM17	4	S	.0002	16	31	Y	2	2	2	2	0	0	8	13
TEM17	4	S	.0002	16	32	Y	0	2	0	2	0	0	7	7
TEM17	4	S	.0002	17	33	Y	1	4	1	4	0	0	3	9
TEM17	4	S	.0002	17	34	Y	1	1	1	1	0	0	3	7
TEM17	4	S	.0002	18	35	Y	2	4	2	4	0	0	9	6
TEM17	4	S	.0002	18	36	Y	2	4	2	4	0	0	10	5
TEM17	4	S	.0002	19	37	Y	2	1	1	1	1	0	5	6
TEM17	4	S	.0002	19	38	Y	1	1	1	1	0	0	15	8
TEM17	4	S	.0002	20	39	Y	6	5	6	4	0	0	6	5
TEM17	4	S	.0002	20	40	Y	3	7	3	7	0	0	4	7
CNTRL17	4	M	0.0000	1	1	Y	8	4	0	0	0	1	8	5
CNTRL17	4	M	0.0000	1	2	Y	7	4	0	0	0	0	7	4
CNTRL17	4	M	0.0000	2	3	Y	5	8	1	0	1	0	5	9
CNTRL17	4	M	0.0000	2	4	Y	6	4	0	0	0	0	6	8
CNTRL17	4	M	0.0000	3	5	Y	7	8	0	0	0	0	7	8
CNTRL17	4	M	0.0000	3	6	Y	8	7	0	0	1	0	8	7
CNTRL17	4	M	0.0000	4	7	Y	5	8	0	0	1	0	5	8
CNTRL17	4	M	0.0000	4	8	N	0	0	0	0	0	0	0	0
CNTRL17	4	M	0.0000	5	9	Y	1	0	0	0	1	0	6	4
CNTRL17	4	M	0.0000	5	10	Y	7	6	0	0	0	0	8	7
CNTRL17	4	M	0.0000	6	11	Y	6	6	0	0	2	0	6	6
CNTRL17	4	M	0.0000	6	12	Y	5	8	0	0	0	0	5	8
CNTRL17	4	M	0.0000	7	13	Y	7	8	0	1	0	1	7	8
CNTRL17	4	M	0.0000	7	14	Y	10	3	1	0	0	0	11	3
CNTRL17	4	M	0.0000	8	15	Y	5	7	0	0	0	0	6	7
CNTRL17	4	M	0.0000	8	16	Y	5	7	0	0	0	0	6	7
CNTRL17	4	M	0.0000	9	17	Y	8	7	2	0	3	0	8	7
CNTRL17	4	M	0.0000	9	18	Y	3	7	0	0	0	0	4	8
CNTRL17	4	M	0.0000	10	19	Y	4	9	0	0	0	0	4	10
CNTRL17	4	M	0.0000	10	20	Y	6	8	0	0	0	0	6	8

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	4	M	.0300	41	81	Y	5	6	0	1	0	0	5	6
71-17	4	M	.0300	41	82	Y	5	6	0	0	0	0	5	8
71-17	4	M	.0300	42	83	Y	3	10	0	1	0	0	3	11
71-17	4	M	.0300	42	84	Y	4	2	0	0	0	0	11	4
71-17	4	M	.0300	43	85	Y	2	6	0	0	0	0	8	9
71-17	4	M	.0300	43	86	Y	2	4	1	3	0	0	8	8
71-17	4	M	.0300	44	87	Y	6	8	0	0	0	2	6	8
71-17	4	M	.0300	44	88	Y	8	5	1	0	0	0	10	5
71-17	4	M	.0300	45	89	Y	4	8	0	1	0	0	4	9
71-17	4	M	.0300	45	90	Y	5	9	0	0	0	0	5	9
71-17	4	M	.0300	46	91	Y	1	1	0	0	0	0	6	4
71-17	4	M	.0300	46	92	Y	6	9	2	3	0	3	6	9
71-17	4	M	.0300	47	93	Y	5	4	0	0	1	0	5	7
71-17	4	M	.0300	47	94	Y	4	8	0	1	0	0	4	10
71-17	4	M	.0300	48	95	Y	5	6	2	0	0	0	6	6
71-17	4	M	.0300	48	96	Y	4	7	0	1	0	0	5	7
71-17	4	M	.0300	49	97	Y	6	7	0	0	0	0	6	7
71-17	4	M	.0300	49	98	Y	7	6	0	0	0	0	7	7
71-17	4	M	.0300	50	99	Y	4	11	0	1	0	0	4	11
71-17	4	M	.0300	50	100	Y	1	0	0	0	1	0	1	4
71-17	4	M	2.5000	51	101	Y	10	4	0	0	1	0	10	4
71-17	4	M	2.5000	51	102	Y	7	4	0	0	0	0	7	4
71-17	4	M	2.5000	52	103	Y	0	2	0	0	0	0	7	5
71-17	4	M	2.5000	52	104	Y	1	5	0	1	0	0	4	8
71-17	4	M	2.5000	53	105	Y	6	7	0	0	0	0	6	7
71-17	4	M	2.5000	53	106	Y	6	10	0	0	0	1	6	10
71-17	4	M	2.5000	54	107	Y	5	8	0	0	0	0	6	8
71-17	4	M	2.5000	54	108	Y	5	7	0	0	3	2	5	7
71-17	4	M	2.5000	55	109	Y	7	5	1	0	0	0	7	6
71-17	4	M	2.5000	55	110	Y	5	7	0	0	0	0	5	7
71-17	4	M	2.5000	56	111	Y	4	7	0	1	0	0	5	9
71-17	4	M	2.5000	56	112	Y	4	11	0	7	0	0	4	11
71-17	4	M	2.5000	57	113	Y	6	6	0	1	1	0	6	6
71-17	4	M	2.5000	57	114	Y	8	6	0	0	0	0	9	6
71-17	4	M	2.5000	58	115	Y	6	8	0	0	0	0	7	8
71-17	4	M	2.5000	58	116	Y	12	1	1	0	0	0	13	1
71-17	4	M	2.5000	59	117	Y	9	3	2	0	1	0	11	3
71-17	4	M	2.5000	59	118	Y	4	9	0	0	1	1	4	9
71-17	4	M	2.5000	60	119	Y	6	4	0	1	0	0	7	5
71-17	4	M	2.5000	60	120	Y	5	7	1	0	0	0	5	9

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	4	M	5.0000	61	121	Y	4	2	0	0	0	0	9	4
71-17	4	M	5.0000	61	122	N	0	0	0	0	0	0	0	0
71-17	4	M	5.0000	62	123	N	0	0	0	0	0	0	0	0
71-17	4	M	5.0000	62	124	Y	4	4	0	1	0	0	5	8
71-17	4	M	5.0000	63	125	Y	7	7	0	0	0	0	7	8
71-17	4	M	5.0000	63	126	N	0	0	0	0	0	0	0	0
71-17	4	M	5.0000	64	127	Y	10	5	0	0	1	0	11	6
71-17	4	M	5.0000	64	128	Y	5	7	1	0	2	3	5	8
71-17	4	M	5.0000	65	129	Y	6	7	0	0	0	0	6	7
71-17	4	M	5.0000	65	130	Y	5	4	0	0	0	0	5	7
71-17	4	M	5.0000	66	131	Y	6	6	0	0	0	0	6	6
71-17	4	M	5.0000	66	132	N	0	0	0	0	0	0	0	0
71-17	4	M	5.0000	67	133	Y	5	6	0	1	3	2	5	8
71-17	4	M	5.0000	67	134	Y	7	6	4	0	0	0	7	6
71-17	4	M	5.0000	68	135	Y	7	1	0	0	0	1	7	7
71-17	4	M	5.0000	68	136	N	0	0	0	0	0	0	0	0
71-17	4	M	5.0000	69	137	Y	4	6	0	0	0	0	6	7
71-17	4	M	5.0000	69	138	Y	5	7	0	0	0	0	5	7
71-17	4	M	5.0000	70	139	Y	5	8	0	1	0	0	7	12
71-17	4	M	5.0000	70	140	Y	6	5	0	0	1	0	6	5

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
CNTRL17	5	S	0.0000	1	1	Y	5	10	0	0	1	0	5	10
CNTRL17	5	S	0.0000	1	2	Y	10	5	0	0	0	1	10	6
CNTRL17	5	S	0.0000	2	3	Y	6	9	0	0	0	0	6	9
CNTRL17	5	S	0.0000	2	4	Y	8	5	0	0	0	1	8	5
CNTRL17	5	S	0.0000	3	5	Y	6	6	1	0	0	0	6	6
CNTRL17	5	S	0.0000	3	6	Y	7	7	1	1	0	1	7	7
CNTRL17	5	S	0.0000	4	7	Y	8	7	1	0	0	0	8	7
CNTRL17	5	S	0.0000	4	8	Y	7	8	0	0	0	1	7	9
CNTRL17	5	S	0.0000	5	9	Y	3	9	0	0	0	1	5	9
CNTRL17	5	S	0.0000	5	10	Y	6	5	0	1	0	0	9	5
CNTRL17	5	S	0.0000	6	11	Y	7	6	0	0	0	0	7	6
CNTRL17	5	S	0.0000	6	12	[illegible]	7	7	0	2	0	1	7	8
CNTRL17	5	S	0.0000	7	13	[illegible]	5	7	0	0	0	0	5	7
CNTRL17	5	S	0.0000	7	14	Y	7	8	0	0	0	1	7	8
CNTRL17	5	S	0.0000	8	15	Y	8	8	1	2	0	0	8	8
CNTRL17	5	S	0.0000	8	16	Y	9	5	0	0	1	0	9	5
CNTRL17	5	S	0.0000	9	17	Y	7	6	1	0	0	0	7	6
CNTRL17	5	S	0.0000	9	18	Y	6	2	0	0	0	0	8	2
CNTRL17	5	S	0.0000	10	19	Y	5	7	1	1	1	1	6	8
CNTRL17	5	S	0.0000	10	20	Y	7	9	0	0	2	1	8	9
71-17	5	S	.0300	51	101	Y	6	4	0	0	0	0	9	4
71-17	5	S	.0300	51	102	Y	10	6	0	0	0	0	10	6
71-17	5	S	.0300	52	103	Y	2	9	0	0	0	0	2	9
71-17	5	S	.0300	52	104	Y	4	10	2	0	0	0	4	11
71-17	5	S	.0300	53	105	Y	6	6	0	0	0	0	7	6
71-17	5	S	.0300	53	106	Y	10	5	0	0	1	0	10	5
71-17	5	S	.0300	54	107	Y	7	6	1	0	0	1	7	6
71-17	5	S	.0300	54	108	Y	6	6	0	0	0	0	7	7
71-17	5	S	.0300	55	109	Y	5	5	0	0	0	0	5	5
71-17	5	S	.0300	55	110	Y	7	7	1	1	0	0	8	8
71-17	5	S	.0300	56	111	Y	3	7	0	0	0	0	4	8
71-17	5	S	.0300	56	112	Y	4	11	0	0	1	2	5	11
71-17	5	S	.0300	57	113	Y	7	4	0	1	0	0	8	4
71-17	5	S	.0300	57	114	Y	5	7	1	0	0	0	6	8
71-17	5	S	.0300	58	115	Y	8	6	1	1	2	0	8	6
71-17	5	S	.0300	58	116	Y	4	6	0	0	0	1	4	8
71-17	5	S	.0300	59	117	Y	1	0	0	0	0	0	6	8
71-17	5	S	.0300	59	118	Y	7	8	0	0	0	0	8	8
71-17	5	S	.0300	60	119	Y	0	7	0	0	0	0	3	11
71-17	5	S	.0300	60	120	Y	5	7	0	1	1	2	5	7

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	5	S	2.5000	61	121	Y	4	10	0	0	0	1	4	10
71-17	5	S	2.5000	61	122	Y	9	2	0	0	1	0	9	4
71-17	5	S	2.5000	62	123	Y	7	6	0	0	0	0	8	6
71-17	5	S	2.5000	62	124	N	0	0	0	0	0	0	0	0
71-17	5	S	2.5000	63	125	Y	6	6	0	0	0	0	8	6
71-17	5	S	2.5000	63	126	Y	4	8	0	0	0	0	4	8
71-17	5	S	2.5000	64	127	Y	4	9	0	0	1	2	7	11
71-17	5	S	2.5000	64	128	Y	1	10	0	0	0	1	3	10
71-17	5	S	2.5000	65	129	Y	6	6	0	0	0	0	6	6
71-17	5	S	2.5000	65	130	Y	2	4	0	0	0	0	5	6
71-17	5	S	2.5000	66	131	Y	8	6	0	0	3	1	8	6
71-17	5	S	2.5000	66	132	[illegible]	7	6	0	0	0	0	8	6
71-17	5	S	2.5000	67	133	[illegible]	5	9	0	0	0	0	5	9
71-17	5	S	2.5000	67	134	[illegible]	9	3	0	0	0	0	9	7
71-17	5	S	2.5000	68	135	Y	6	6	0	1	0	0	6	6
71-17	5	S	2.5000	68	136	Y	7	9	0	0	0	0	7	9
71-17	5	S	2.5000	69	137	Y	8	7	0	0	0	0	8	7
71-17	5	S	2.5000	69	138	Y	0	5	0	0	0	0	7	5
71-17	5	S	2.5000	70	139	Y	8	5	0	0	0	0	8	5
71-17	5	S	2.5000	70	140	Y	7	6	0	0	0	0	7	6
71-17	5	S	5.0000	71	141	Y	10	5	0	0	0	0	10	5
71-17	5	S	5.0000	71	142	Y	8	5	0	0	0	0	10	5
71-17	5	S	5.0000	72	143	Y	7	6	0	0	2	5	7	6
71-17	5	S	5.0000	72	144	Y	3	7	0	0	0	0	7	7
71-17	5	S	5.0000	73	145	Y	5	8	1	0	0	0	5	9
71-17	5	S	5.0000	73	146	Y	4	2	1	0	0	2	4	7
71-17	5	S	5.0000	74	147	Y	7	7	0	1	0	0	7	8
71-17	5	S	5.0000	74	148	Y	8	6	1	0	0	0	8	6
71-17	5	S	5.0000	75	149	Y	5	2	0	1	0	0	7	2
71-17	5	S	5.0000	75	150	Y	4	10	1	0	0	0	4	10
71-17	5	S	5.0000	76	151	Y	9	5	0	0	0	0	9	5
71-17	5	S	5.0000	76	152	Y	3	11	0	0	0	0	3	11
71-17	5	S	5.0000	77	153	Y	7	6	0	0	0	0	7	6
71-17	5	S	5.0000	77	154	Y	6	7	0	0	0	0	6	8
71-17	5	S	5.0000	78	155	Y	1	0	1	0	0	0	8	9
71-17	5	S	5.0000	78	156	Y	3	5	0	1	0	0	6	5
71-17	5	S	5.0000	79	157	Y	5	0	0	0	1	0	5	6
71-17	5	S	5.0000	79	158	Y	6	6	0	0	0	0	6	6
71-17	5	S	5.0000	80	159	Y	5	7	0	0	0	1	5	7
71-17	5	S	5.0000	80	160	Y	8	6	0	1	0	0	8	7

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
TEM17	5	S	.0002	11	21	Y	5	8	0	0	0	0	5	8
TEM17	5	S	.0002	11	22	Y	5	6	0	0	0	3	5	6
TEM17	5	S	.0002	12	23	Y	0	4	0	0	0	0	8	4
TEM17	5	S	.0002	12	24	Y	4	6	1	1	2	0	4	6
TEM17	5	S	.0002	13	25	Y	7	6	0	0	1	0	7	6
TEM17	5	S	.0002	13	26	Y	5	7	0	0	1	1	5	7
TEM17	5	S	.0002	14	27	Y	6	6	0	0	1	1	6	8
TEM17	5	S	.0002	14	28	Y	6	6	2	1	0	0	6	6
TEM17	5	S	.0002	15	29	Y	5	7	0	0	0	0	5	7
TEM17	5	S	.0002	15	30	Y	5	6	0	0	0	1	6	6
TEM17	5	S	.0002	16	31	Y	6	8	1	2	0	2	6	8
TEM17	5	S	.0002	16	32	Y	6	5	0	3	0	0	6	5
TEM17	5	S	.0002	17	33	Y	1	1	0	0	0	0	10	4
TEM17	5	S	.0002	17	34	Y	9	3	1	0	0	0	9	3
TEM17	5	S	.0002	18	35	Y	4	7	3	5	0	0	4	8
TEM17	5	S	.0002	18	36	Y	5	9	1	3	0	0	5	9
TEM17	5	S	.0002	19	37	Y	7	6	0	0	1	1	9	6
TEM17	5	S	.0002	19	38	Y	5	5	3	1	0	0	9	6
TEM17	5	S	.0002	20	39	Y	7	5	0	2	1	0	9	5
TEM17	5	S	.0002	20	40	Y	8	5	2	2	0	0	9	5
CNTRL17	5	M	0.0000	1	1	Y	5	10	0	0	1	0	5	10
CNTRL17	5	M	0.0000	1	2	Y	10	5	0	0	0	1	10	5
CNTRL17	5	M	0.0000	2	3	Y	6	9	0	0	0	0	6	9
CNTRL17	5	M	0.0000	2	4	Y	8	5	0	0	0	1	8	5
CNTRL17	5	M	0.0000	3	5	Y	6	6	1	6	0	0	6	6
CNTRL17	5	M	0.0000	3	6	Y	7	7	1	1	0	1	7	7
CNTRL17	5	M	0.0000	4	7	Y	8	7	1	0	0	0	8	7
CNTRL17	5	M	0.0000	4	8	Y	7	8	0	0	0	1	7	9
CNTRL17	5	M	0.0000	5	9	Y	3	9	0	0	0	1	5	9
CNTRL17	5	M	0.0000	5	10	Y	8	5	0	1	0	0	9	5
CNTRL17	5	M	0.0000	6	11	Y	7	6	0	0	0	0	7	6
CNTRL17	5	M	0.0000	6	12	Y	7	7	0	2	0	1	7	8
CNTRL17	5	M	0.0000	7	13	Y	5	7	0	0	0	0	5	7
CNTRL17	5	M	0.0000	7	14	Y	7	8	0	0	0	1	7	8
CNTRL17	5	M	0.0000	8	15	Y	8	8	1	2	0	0	8	8
CNTRL17	5	M	0.0000	8	16	Y	9	5	0	0	1	0	9	5
CNTRL17	5	M	0.0000	9	17	Y	7	6	1	0	0	0	7	6
CNTRL17	5	M	0.0000	9	18	Y	6	2	0	0	0	0	8	2
CNTRL17	5	M	0.0000	10	19	Y	5	7	1	1	1	1	6	8
CNTRL17	5	M	0.0000	10	20	Y	7	9	0	0	2	1	8	9

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	5	M	.0300	41	81	Y	9	4	0	0	0	0	9	4
71-17	5	M	.0300	41	82	Y	4	8	0	0	0	0	5	8
71-17	5	M	.0300	42	83	Y	7	8	0	0	0	0	7	8
71-17	5	M	.0300	42	84	Y	6	7	1	0	0	0	7	7
71-17	5	M	.0300	43	85	Y	7	6	0	0	0	0	8	6
71-17	5	M	.0300	43	86	Y	5	8	0	0	0	0	6	8
71-17	5	M	.0300	44	87	Y	5	8	0	0	0	0	5	8
71-17	5	M	.0300	44	88	Y	5	7	0	0	0	0	5	7
71-17	5	M	.0300	45	89	Y	8	6	0	0	0	0	8	7
71-17	5	M	.0300	45	90	Y	7	7	0	0	0	0	7	7
71-17	5	M	.0300	46	91	Y	7	5	0	0	1	0	7	6
71-17	5	M	.0300	46	92	Y	7	5	0	0	0	0	8	5
71-17	5	M	.0300	47	93	Y	9	3	0	0	0	0	9	3
71-17	5	M	.0300	47	94	Y	9	5	0	0	0	0	10	5
71-17	5	M	.0300	48	95	Y	10	5	2	0	1	0	10	5
71-17	5	M	.0300	48	96	Y	7	9	0	0	0	0	7	9
71-17	5	M	.0300	49	97	Y	6	6	0	0	1	0	6	6
71-17	5	M	.0300	49	98	Y	9	3	0	0	0	0	9	3
71-17	5	M	.0300	50	99	Y	6	6	0	0	1	0	6	6
71-17	5	M	.0300	50	100	Y	5	6	0	0	0	0	7	7
71-17	5	M	2.5000	51	101	Y	4	10	0	0	0	0	4	10
71-17	5	M	2.5000	51	102	Y	9	5	0	1	0	0	9	5
71-17	5	M	2.5000	52	103	Y	8	7	0	0	0	0	8	7
71-17	5	M	2.5000	52	104	Y	5	7	0	0	0	0	5	9
71-17	5	M	2.5000	53	105	Y	7	5	0	0	0	0	7	5
71-17	5	M	2.5000	53	106	Y	6	7	0	0	0	1	7	7
71-17	5	M	2.5000	54	107	Y	5	10	0	1	0	0	5	10
71-17	5	M	2.5000	54	108	Y	3	8	0	0	0	0	3	8
71-17	5	M	2.5000	55	109	Y	8	5	0	0	1	0	8	5
71-17	5	M	2.5000	55	110	Y	3	9	0	0	0	0	3	9
71-17	5	M	2.5000	56	111	Y	5	8	0	0	0	0	5	8
71-17	5	M	2.5000	56	112	Y	4	8	1	0	1	0	5	8
71-17	5	M	2.5000	57	113	Y	5	10	0	0	0	1	5	10
71-17	5	M	2.5000	57	114	Y	6	8	0	0	0	0	6	9
71-17	5	M	2.5000	58	115	Y	5	6	0	0	1	0	5	6
71-17	5	M	2.5000	58	116	Y	6	7	0	0	0	0	6	7
71-17	5	M	2.5000	59	117	Y	5	7	0	0	1	0	5	10
71-17	5	M	2.5000	59	118	Y	5	6	0	0	0	0	5	6
71-17	5	M	2.5000	60	119	Y	5	7	0	1	0	0	5	8
71-17	5	M	2.5000	60	120	Y	10	5	1	0	2	2	10	6

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	5	M	5.0000	61	121	N	0	0	0	0	0	0	0	0
71-17	5	M	5.0000	61	122	Y	8	4	0	1	1	0	9	4
71-17	5	M	5.0000	62	123	N	0	0	0	0	0	0	0	0
71-17	5	M	5.0000	62	124	Y	8	6	0	0	1	0	8	7
71-17	5	M	5.0000	63	125	Y	9	5	0	0	0	0	9	5
71-17	5	M	5.0000	63	126	N	0	0	0	0	0	0	0	0
71-17	5	M	5.0000	64	127	Y	5	8	0	0	0	0	5	8
71-17	5	M	5.0000	64	128	Y	6	7	1	1	0	0	8	7
71-17	5	M	5.0000	65	129	Y	6	6	0	0	0	0	6	6
71-17	5	M	5.0000	65	130	Y	3	10	0	0	0	0	5	10
71-17	5	M	5.0000	66	131	N	0	0	0	0	0	0	0	0
71-17	5	M	5.0000	66	132	N	0	0	0	0	0	0	0	0
71-17	5	M	5.0000	67	133	Y	4	11	0	0	0	0	4	11
71-17	5	M	5.0000	67	134	Y	6	8	0	0	0	0	7	8
71-17	5	M	5.0000	68	135	Y	10	4	1	0	0	0	10	4
71-17	5	M	5.0000	68	136	Y	8	5	0	0	0	0	8	6
71-17	5	M	5.0000	69	137	Y	6	6	0	0	1	0	6	7
71-17	5	M	5.0000	69	138	Y	9	4	0	0	0	0	11	4
71-17	5	M	5.0000	70	139	Y	7	6	0	0	1	0	7	6
71-17	5	M	5.0000	70	140	Y	8	7	0	0	0	0	8	8

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
CNTRL17	6	S	0.0000	1	1	Y	7	6	0	0	0	1	7	7
CNTRL17	6	S	0.0000	1	2	Y	7	5	0	0	0	0	7	5
CNTRL17	6	S	0.0000	2	3	Y	4	9	0	0	0	0	4	10
CNTRL17	6	S	0.0000	2	4	Y	8	6	0	0	0	0	8	6
CNTRL17	6	S	0.0000	3	5	Y	5	7	0	0	0	0	6	7
CNTRL17	6	S	0.0000	3	6	Y	10	5	0	0	1	0	10	7
CNTRL17	6	S	0.0000	4	7	Y	7	5	0	0	7	5	7	5
CNTRL17	6	S	0.0000	4	8	Y	8	5	1	0	0	0	8	5
CNTRL17	6	S	0.0000	5	9	Y	4	7	0	0	0	0	5	7
CNTRL17	6	S	0.0000	5	10	Y	6	8	0	0	0	0	5	8
CNTRL17	6	S	0.0000	6	11	Y	7	8	0	0	0	0	8	9
CNTRL17	6	S	0.0000	6	12	Y	7	6	0	0	0	0	7	6
CNTRL17	6	S	0.0000	7	13	Y	7	6	0	0	0	0	7	6
CNTRL17	6	S	0.0000	7	14	Y	6	6	0	0	1	0	6	6
CNTRL17	6	S	0.0000	8	15	Y	8	3	0	1	0	0	8	4
CNTRL17	6	S	0.0000	8	16	Y	6	6	0	0	0	0	7	6
CNTRL17	6	S	0.0000	9	17	Y	4	7	0	0	0	0	4	8
CNTRL17	6	S	0.0000	9	18	Y	9	4	0	0	0	0	9	4
CNTRL17	6	S	0.0000	10	19	Y	6	6	1	1	0	0	6	6
CNTRL17	6	S	0.0000	10	20	Y	10	4	0	0	0	0	11	4
71-17	6	S	.0300	51	101	Y	5	8	0	0	0	0	5	8
71-17	6	S	.0300	51	102	Y	6	6	0	0	0	1	7	7
71-17	6	S	.0300	52	103	Y	7	6	0	0	0	0	7	6
71-17	6	S	.0300	52	104	Y	3	11	1	0	0	0	3	11
71-17	6	S	.0300	53	105	Y	5	9	0	0	0	0	5	9
71-17	6	S	.0300	53	106	Y	6	7	0	0	0	0	6	9
71-17	6	S	.0300	54	107	Y	6	8	0	1	0	0	6	8
71-17	6	S	.0300	54	108	Y	6	5	0	0	0	0	7	5
71-17	6	S	.0300	55	109	Y	6	4	0	0	0	0	8	4
71-17	6	S	.0300	55	110	Y	5	9	0	0	1	0	5	9
71-17	6	S	.0300	56	111	Y	6	8	0	1	0	0	7	8
71-17	6	S	.0300	56	112	Y	9	4	0	0	0	0	9	4
71-17	6	S	.0300	57	113	Y	6	2	0	0	0	0	8	7
71-17	6	S	.0300	57	114	Y	6	7	0	0	0	0	8	7
71-17	6	S	.0300	58	115	Y	6	7	1	1	0	0	6	8
71-17	6	S	.0300	58	116	Y	0	1	0	0	0	0	8	5
71-17	6	S	.0300	59	117	Y	7	6	0	0	0	0	7	6
71-17	6	S	.0300	59	118	Y	6	6	0	0	0	0	6	6
71-17	6	S	.0300	60	119	Y	10	5	0	0	0	0	11	5
71-17	6	S	.0300	60	120	Y	10	4	0	0	0	0	10	4

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	6	S	2.5000	61	121	Y	6	9	0	0	0	0	6	9
71-17	6	S	2.5000	61	122	Y	1	0	1	0	0	0	11	10
71-17	6	S	2.5000	62	123	Y	8	5	0	0	0	0	8	6
71-17	6	S	2.5000	62	124	Y	6	8	0	0	0	0	7	8
71-17	6	S	2.5000	63	125	Y	9	3	0	1	0	0	9	3
71-17	6	S	2.5000	63	126	Y	8	6	0	0	0	0	8	6
71-17	6	S	2.5000	64	127	Y	7	6	0	0	0	0	7	6
71-17	6	S	2.5000	64	128	Y	5	8	0	1	0	0	5	8
71-17	6	S	2.5000	65	129	Y	4	5	0	0	0	0	4	5
71-17	6	S	2.5000	65	130	Y	10	3	0	0	0	0	10	3
71-17	6	S	2.5000	66	131	Y	6	7	0	0	2	0	6	7
71-17	6	S	2.5000	66	132	Y	8	5	0	0	0	0	8	5
71-17	6	S	2.5000	67	133	Y	8	6	0	0	0	0	8	6
71-17	6	S	2.5000	67	134	Y	5	11	1	0	0	1	5	11
71-17	6	S	2.5000	68	135	Y	7	7	0	0	2	2	7	7
71-17	6	S	2.5000	68	136	N	0	0	0	0	0	0	0	0
71-17	6	S	2.5000	69	137	Y	5	8	1	0	0	0	5	8
71-17	6	S	2.5000	69	138	Y	5	5	0	0	0	0	5	7
71-17	6	S	2.5000	70	139	Y	5	6	0	0	0	0	5	7
71-17	6	S	2.5000	70	140	N	0	0	0	0	0	0	0	0
71-17	6	S	5.0000	71	141	Y	2	11	0	0	0	0	4	12
71-17	6	S	5.0000	71	142	Y	7	4	0	0	0	0	8	6
71-17	6	S	5.0000	72	143	Y	7	8	0	0	0	0	7	8
71-17	6	S	5.0000	72	144	Y	4	6	0	0	0	0	5	7
71-17	6	S	5.0000	73	145	Y	6	4	0	0	0	0	6	4
71-17	6	S	5.0000	73	146	Y	6	7	0	0	0	0	6	8
71-17	6	S	5.0000	74	147	Y	6	3	1	0	0	0	7	3
71-17	6	S	5.0000	74	148	Y	7	6	0	1	0	0	8	7
71-17	6	S	5.0000	75	149	Y	5	4	0	0	0	0	7	5
71-17	6	S	5.0000	75	150	N	0	0	0	0	0	0	0	0
71-17	6	S	5.0000	76	151	Y	5	9	0	0	0	2	5	9
71-17	6	S	5.0000	76	152	N	0	0	0	0	0	0	0	0
71-17	6	S	5.0000	77	153	Y	5	8	3	3	0	0	5	8
71-17	6	S	5.0000	77	154	Y	0	1	0	1	0	0	6	5
71-17	6	S	5.0000	78	155	Y	7	5	0	1	1	3	7	5
71-17	6	S	5.0000	78	156	Y	3	8	0	0	0	0	4	10
71-17	6	S	5.0000	79	157	Y	6	7	0	0	0	0	6	8
71-17	6	S	5.0000	79	158	Y	9	5	0	0	0	0	10	5
71-17	6	S	5.0000	80	159	Y	3	9	0	0	0	1	4	9
71-17	6	S	5.0000	80	160	Y	5	6	0	1	0	0	6	7

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
TEM17	6	S	.0002	11	21	Y	5	5	0	1	0	0	5	6
TEM17	6	S	.0002	11	22	Y	5	6	0	0	0	0	7	6
TEM17	6	S	.0002	12	23	Y	8	7	0	0	0	0	10	8
TEM17	6	S	.0002	12	24	Y	6	7	0	0	1	1	6	7
TEM17	6	S	.0002	13	25	Y	6	6	0	0	0	0	6	9
TEM17	6	S	.0002	13	26	Y	4	8	1	2	0	0	4	8
TEM17	6	S	.0002	14	27	Y	3	4	0	0	0	0	9	4
TEM17	6	S	.0002	14	28	Y	4	8	0	1	0	0	6	8
TEM17	6	S	.0002	15	29	Y	6	5	0	0	0	0	7	5
TEM17	6	S	.0002	15	30	Y	8	5	1	1	0	0	8	5
TEM17	6	S	.0002	16	31	Y	0	6	0	0	0	0	7	6
TEM17	6	S	.0002	16	32	Y	6	6	0	0	4	3	5	8
TEM17	6	S	.0002	17	33	Y	1	8	0	0	0	0	1	11
TEM17	6	S	.0002	17	34	Y	4	8	0	1	0	0	5	8
TEM17	6	S	.0002	18	35	Y	4	9	0	1	1	0	5	9
TEM17	6	S	.0002	18	36	Y	4	9	0	0	0	0	4	11
TEM17	6	S	.0002	19	37	Y	7	6	0	0	0	0	7	3
TEM17	6	S	.0002	19	38	Y	4	7	1	0	0	0	4	5
TEM17	6	S	.0002	20	39	Y	5	7	0	0	1	2	6	7
TEM17	6	S	.0002	20	40	Y	6	9	0	0	2	4	7	9
CNTRL17	6	M	0.0000	1	1	Y	7	6	0	0	0	1	7	7
CNTRL17	6	M	0.0000	1	2	Y	7	5	0	0	0	0	7	5
CNTRL17	6	M	0.0000	2	3	Y	4	9	0	0	0	0	4	10
CNTRL17	6	M	0.0000	2	4	Y	8	6	0	0	0	0	8	6
CNTRL17	6	M	0.0000	3	5	Y	5	7	0	0	0	0	6	7
CNTRL17	6	M	0.0000	3	6	Y	10	5	0	0	1	0	10	7
CNTRL17	6	M	0.0000	4	7	Y	7	5	0	0	7	5	7	5
CNTRL17	6	M	0.0000	4	8	Y	8	5	1	0	0	0	8	5
CNTRL17	6	M	0.0000	5	9	Y	4	7	0	0	0	0	5	7
CNTRL17	6	M	0.0000	5	10	Y	6	8	0	0	0	0	6	8
CNTRL17	6	M	0.0000	6	11	Y	7	8	0	0	0	0	8	9
CNTRL17	6	M	0.0000	6	12	Y	7	6	0	0	0	0	7	6
CNTRL17	6	M	0.0000	7	13	Y	7	6	0	0	0	0	7	6
CNTRL17	6	M	0.0000	7	14	Y	6	6	0	0	1	0	6	6
CNTRL17	6	M	0.0000	8	15	Y	8	3	0	1	0	0	8	4
CNTRL17	6	M	0.0000	8	16	Y	6	6	0	0	0	0	7	6
CNTRL17	6	M	0.0000	9	17	Y	4	7	0	0	0	0	4	8
CNTRL17	6	M	0.0000	9	18	Y	9	4	0	0	0	0	9	4
CNTRL17	6	M	0.0000	10	19	Y	6	6	1	1	0	0	6	6
CNTRL17	6	M	0.0000	10	20	Y	10	4	0	0	0	0	11	4

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	6	M	.0300	41	81	Y	4	4	0	0	0	0	5	6
71-17	6	M	.0300	41	82	Y	2	0	2	0	0	0	2	6
71-17	6	M	.0300	42	83	Y	8	5	0	0	0	0	8	6
71-17	6	M	.0300	42	84	Y	5	3	1	0	0	1	6	4
71-17	6	M	.0300	43	85	Y	6	4	1	0	0	0	8	7
71-17	6	M	.0300	43	86	Y	6	6	0	1	0	0	8	6
71-17	6	M	.0300	44	87	Y	5	10	0	0	0	1	5	10
71-17	6	M	.0300	44	88	N	0	0	0	0	0	0	0	0
71-17	6	M	.0300	45	89	Y	4	10	0	0	0	0	5	10
71-17	6	M	.0300	45	90	Y	6	6	1	0	0	0	6	6
71-17	6	M	.0300	46	91	Y	6	1	1	1	0	0	7	6
71-17	6	M	.0300	46	92	Y	7	7	0	0	0	0	7	7
71-17	6	M	.0300	47	93	Y	6	6	0	1	0	0	6	7
71-17	6	M	.0300	47	94	Y	3	6	0	0	0	0	5	6
71-17	6	M	.0300	48	95	Y	4	4	0	0	0	0	6	7
71-17	6	M	.0300	48	96	Y	7	4	0	0	0	0	8	5
71-17	6	M	.0300	49	97	Y	7	6	0	0	1	0	7	7
71-17	6	M	.0300	49	98	Y	6	7	0	0	0	0	7	8
71-17	6	M	.0300	50	99	Y	6	7	0	0	0	0	6	7
71-17	6	M	.0300	50	100	Y	7	6	0	0	0	0	11	12
71-17	6	M	2.5000	51	101	Y	6	6	0	0	1	0	6	6
71-17	6	M	2.5000	51	102	Y	7	7	0	0	0	0	7	7
71-17	6	M	2.5000	52	103	Y	5	6	0	0	0	0	5	6
71-17	6	M	2.5000	52	104	Y	7	7	0	0	0	0	7	8
71-17	6	M	2.5000	53	105	Y	3	7	0	0	0	1	4	8
71-17	6	M	2.5000	53	106	Y	2	9	0	0	0	0	5	9
71-17	6	M	2.5000	54	107	Y	5	4	0	0	0	0	5	7
71-17	6	M	2.5000	54	108	Y	6	7	0	0	0	0	7	8
71-17	6	M	2.5000	55	109	Y	4	9	0	1	0	1	4	9
71-17	6	M	2.5000	55	110	Y	5	7	0	0	0	0	5	7
71-17	6	M	2.5000	56	111	Y	7	4	1	1	0	0	7	4
71-17	6	M	2.5000	56	112	Y	7	5	2	1	0	0	7	5
71-17	6	M	2.5000	57	113	Y	5	7	0	0	1	0	5	9
71-17	6	M	2.5000	57	114	Y	7	6	0	0	0	0	7	6
71-17	6	M	2.5000	58	115	Y	2	6	0	0	1	3	2	7
71-17	6	M	2.5000	58	116	Y	9	4	0	1	0	0	10	4
71-17	6	M	2.5000	59	117	Y	6	5	0	0	0	0	6	5
71-17	6	M	2.5000	59	118	Y	3	9	1	1	0	0	3	9
71-17	6	M	2.5000	60	119	Y	7	5	0	0	1	0	8	5
71-17	6	M	2.5000	60	120	Y	6	6	0	0	0	0	6	6

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	6	M	5.0000	61	121	Y	7	4	0	0	0	0	7	4
71-17	6	M	5.0000	61	122	Y	8	4	0	0	1	2	9	4
71-17	6	M	5.0000	62	123	Y	4	8	1	0	0	2	5	8
71-17	6	M	5.0000	62	124	Y	6	6	0	0	0	0	6	7
71-17	6	M	5.0000	63	125	Y	3	10	0	0	0	0	6	13
71-17	6	M	5.0000	63	126	N	0	0	0	0	0	0	0	0
71-17	6	M	5.0000	64	127	Y	1	2	0	0	1	0	7	6
71-17	6	M	5.0000	64	128	Y	7	6	0	0	0	0	8	7
71-17	6	M	5.0000	65	129	Y	3	8	1	0	0	0	4	8
71-17	6	M	5.0000	65	130	Y	11	4	2	0	0	0	11	4
71-17	6	M	5.0000	66	131	Y	8	5	0	0	2	0	10	5
71-17	6	M	5.0000	66	132	N	0	0	0	0	0	0	0	0
71-17	6	M	5.0000	67	133	Y	9	5	1	0	0	0	10	5
71-17	6	M	5.0000	67	134	Y	8	6	0	0	0	0	8	6
71-17	6	M	5.0000	68	135	Y	2	10	1	0	0	0	2	12
71-17	6	M	5.0000	68	136	Y	7	5	1	0	0	0	7	6
71-17	6	M	5.0000	69	137	Y	9	6	0	0	2	1	9	6
71-17	6	M	5.0000	69	138	Y	3	8	0	0	0	0	3	8
71-17	6	M	5.0000	70	139	Y	6	4	1	0	0	0	7	4
71-17	6	M	5.0000	70	140	Y	6	8	0	0	0	0	6	8

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
CNTRL17	7	S	0.0000	1	1	Y	7	7	1	0	0	0	7	7
CNTRL17	7	S	0.0000	1	2	Y	4	10	0	1	0	0	4	10
CNTRL17	7	S	0.0000	2	3	Y	6	6	1	1	1	0	7	7
CNTRL17	7	S	0.0000	2	4	Y	4	7	0	0	0	0	5	7
CNTRL17	7	S	0.0000	3	5	Y	4	6	0	0	0	0	7	7
CNTRL17	7	S	0.0000	3	6	Y	0	1	0	1	0	0	6	5
CNTRL17	7	S	0.0000	4	7	Y	3	6	1	0	0	0	4	7
CNTRL17	7	S	0.0000	4	8	Y	5	7	0	0	0	0	6	7
CNTRL17	7	S	0.0000	5	9	Y	9	6	0	0	2	0	9	7
CNTRL17	7	S	0.0000	5	10	Y	1	0	0	0	0	0	4	3
CNTRL17	7	S	0.0000	6	11	Y	5	5	0	0	0	0	5	5
CNTRL17	7	S	0.0000	6	12	Y	5	6	0	1	0	1	5	6
CNTRL17	7	S	0.0000	7	13	Y	4	7	0	0	0	0	4	8
CNTRL17	7	S	0.0000	7	14	Y	5	5	0	0	0	1	5	5
CNTRL17	7	S	0.0000	8	15	Y	7	4	0	0	1	0	7	4
CNTRL17	7	S	0.0000	8	16	Y	4	7	0	0	0	0	5	8
CNTRL17	7	S	0.0000	9	17	Y	6	8	0	0	0	0	6	8
CNTRL17	7	S	0.0000	9	18	Y	4	8	1	1	1	1	4	9
CNTRL17	7	S	0.0000	10	19	Y	4	8	1	1	0	0	5	8
CNTRL17	7	S	0.0000	10	20	Y	1	9	0	1	0	0	1	9
71-17	7	S	.0300	51	101	Y	8	2	2	0	1	0	8	3
71-17	7	S	.0300	51	102	Y	4	2	0	0	0	0	4	6
71-17	7	S	.0300	52	103	Y	5	9	0	0	0	0	5	11
71-17	7	S	.0300	52	104	Y	6	6	1	0	0	0	6	6
71-17	7	S	.0300	53	105	Y	5	6	0	0	0	0	6	6
71-17	7	S	.0300	53	106	Y	3	7	0	0	0	0	4	8
71-17	7	S	.0300	54	107	Y	8	2	1	0	0	0	8	4
71-17	7	S	.0300	54	108	Y	5	9	0	0	0	0	5	9
71-17	7	S	.0300	55	109	Y	6	7	0	0	0	1	6	7
71-17	7	S	.0300	55	110	Y	3	9	0	0	0	1	3	10
71-17	7	S	.0300	56	111	Y	6	7	0	0	0	0	6	7
71-17	7	S	.0300	56	112	Y	3	9	0	0	2	5	4	9
71-17	7	S	.0300	57	113	Y	6	7	0	0	0	0	6	7
71-17	7	S	.0300	57	114	Y	5	6	1	1	0	0	6	7
71-17	7	S	.0300	58	115	Y	5	10	0	0	2	4	6	10
71-17	7	S	.0300	58	116	Y	7	3	1	0	0	0	9	3
71-17	7	S	.0300	59	117	Y	8	6	0	0	0	0	8	6
71-17	7	S	.0300	59	118	Y	2	2	1	0	0	0	6	6
71-17	7	S	.0300	60	119	Y	7	5	0	0	0	0	7	5
71-17	7	S	.0300	60	120	Y	3	3	1	0	0	0	3	7

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	7	S	2.5000	61	121	Y	4	0	0	0	0	0	4	7
71-17	7	S	2.5000	61	122	Y	1	10	0	1	0	0	1	10
71-17	7	S	2.5000	62	123	Y	7	5	0	0	1	0	7	5
71-17	7	S	2.5000	62	124	N	0	0	0	0	0	0	0	0
71-17	7	S	2.5000	63	125	Y	6	4	0	0	0	0	6	4
71-17	7	S	2.5000	63	126	Y	6	5	0	0	0	0	7	6
71-17	7	S	2.5000	64	127	Y	5	6	0	0	0	0	5	6
71-17	7	S	2.5000	64	128	Y	6	6	0	0	0	0	6	6
71-17	7	S	2.5000	65	129	Y	7	4	0	0	0	0	7	4
71-17	7	S	2.5000	65	130	Y	4	10	0	0	0	1	4	10
71-17	7	S	2.5000	66	131	Y	0	7	0	0	0	0	0	7
71-17	7	S	2.5000	66	132	Y	6	7	0	0	0	0	6	7
71-17	7	S	2.5000	67	133	Y	5	6	0	0	0	0	7	5
71-17	7	S	2.5000	67	134	Y	1	2	1	1	0	0	6	6
71-17	7	S	2.5000	68	135	Y	6	5	1	0	0	0	6	5
71-17	7	S	2.5000	68	136	Y	8	4	0	0	2	0	9	4
71-17	7	S	2.5000	69	137	Y	5	7	0	0	0	0	5	7
71-17	7	S	2.5000	69	138	Y	1	0	0	0	0	0	3	7
71-17	7	S	2.5000	70	139	Y	3	3	0	0	0	0	8	3
71-17	7	S	2.5000	70	140	Y	5	8	0	0	0	0	5	8
71-17	7	S	5.0000	71	141	Y	3	6	0	0	0	0	4	7
71-17	7	S	5.0000	71	142	Y	5	6	0	0	0	0	5	6
71-17	7	S	5.0000	72	143	Y	6	5	0	0	3	0	6	5
71-17	7	S	5.0000	72	144	Y	3	3	0	2	0	0	6	5
71-17	7	S	5.0000	73	145	Y	5	6	0	0	2	2	6	6
71-17	7	S	5.0000	73	146	Y	3	9	1	0	0	0	3	11
71-17	7	S	5.0000	74	147	Y	4	7	0	0	1	0	5	8
71-17	7	S	5.0000	74	148	Y	10	2	0	1	0	0	12	2
71-17	7	S	5.0000	75	149	Y	6	4	0	0	0	0	6	5
71-17	7	S	5.0000	75	150	Y	2	0	0	0	0	0	2	8
71-17	7	S	5.0000	76	151	Y	6	8	2	1	0	0	6	8
71-17	7	S	5.0000	76	152	Y	9	4	0	0	0	0	9	4
71-17	7	S	5.0000	77	153	Y	8	3	0	0	0	0	9	3
71-17	7	S	5.0000	77	154	Y	3	9	1	0	0	0	3	9
71-17	7	S	5.0000	78	155	Y	9	4	0	1	1	0	9	4
71-17	7	S	5.0000	78	156	N	0	0	0	0	0	0	0	0
71-17	7	S	5.0000	79	157	Y	6	6	0	0	0	0	6	6
71-17	7	S	5.0000	79	158	Y	8	6	0	0	0	0	8	6
71-17	7	S	5.0000	80	159	Y	4	6	1	0	0	0	4	7
71-17	7	S	5.0000	80	160	Y	5	5	0	0	0	0	6	6

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
TEM17	7	S	.0002	11	21	Y	7	4	0	0	0	0	7	4
TEM17	7	S	.0002	11	22	Y	5	7	0	0	0	0	5	7
TEM17	7	S	.0002	12	23	Y	5	5	0	0	2	0	5	5
TEM17	7	S	.0002	12	24	Y	7	5	0	0	0	0	7	5
TEM17	7	S	.0002	13	25	Y	6	5	0	0	0	0	6	5
TEM17	7	S	.0002	13	26	Y	6	5	0	0	0	0	6	5
TEM17	7	S	.0002	14	27	Y	4	6	1	0	0	0	4	8
TEM17	7	S	.0002	14	28	Y	5	5	0	0	0	0	5	6
TEM17	7	S	.0002	15	29	Y	6	7	1	0	0	0	6	7
TEM17	7	S	.0002	15	30	Y	7	4	0	0	0	0	7	4
TEM17	7	S	.0002	16	31	Y	5	6	0	0	2	1	6	5
TEM17	7	S	.0002	16	32	Y	3	8	0	0	0	0	3	8
TEM17	7	S	.0002	17	33	Y	6	5	0	0	0	0	7	5
TEM17	7	S	.0002	17	34	Y	4	9	0	0	0	0	4	9
TEM17	7	S	.0002	18	35	Y	7	5	0	0	0	1	8	6
TEM17	7	S	.0002	18	36	Y	4	6	0	0	0	2	5	6
TEM17	7	S	.0002	19	37	Y	7	4	0	0	0	0	9	4
TEM17	7	S	.0002	19	38	Y	4	7	0	0	0	0	4	7
TEM17	7	S	.0002	20	39	Y	5	6	0	0	2	1	5	6
TEM17	7	S	.0002	20	40	Y	4	9	0	0	1	1	4	9
CNTRL17	7	M	0.0000	1	1	Y	7	7	1	0	0	0	7	7
CNTRL17	7	M	0.0000	1	2	Y	4	10	0	1	0	0	4	10
CNTRL17	7	M	0.0000	2	3	Y	6	6	1	1	1	0	7	7
CNTRL17	7	M	0.0000	2	4	Y	4	7	0	0	0	0	5	7
CNTRL17	7	M	0.0000	3	5	Y	4	6	0	0	0	0	7	7
CNTRL17	7	M	0.0000	3	6	Y	0	1	0	1	0	0	6	5
CNTRL17	7	M	0.0000	4	7	Y	3	6	1	0	0	0	4	7
CNTRL17	7	M	0.0000	4	8	Y	5	7	0	0	0	0	6	7
CNTRL17	7	M	0.0000	5	9	Y	9	6	0	0	2	0	9	7
CNTRL17	7	M	0.0000	5	10	Y	1	0	0	0	0	0	4	3
CNTRL17	7	M	0.0000	6	11	Y	5	5	0	0	0	0	5	5
CNTRL17	7	M	0.0000	6	12	Y	5	6	0	1	0	1	5	6
CNTRL17	7	M	0.0000	7	13	Y	4	7	0	0	0	0	4	8
CNTRL17	7	M	0.0000	7	14	Y	5	5	0	0	0	1	5	5
CNTRL17	7	M	0.0000	8	15	Y	7	4	0	0	1	0	7	4
CNTRL17	7	M	0.0000	8	16	Y	4	7	0	0	0	0	5	8
CNTRL17	7	M	0.0000	9	17	Y	6	8	0	0	0	0	6	8
CNTRL17	7	M	0.0000	9	18	Y	4	8	1	1	1	1	4	9
CNTRL17	7	M	0.0000	10	19	Y	4	6	1	1	0	0	5	8
CNTRL17	7	M	0.0000	10	20	Y	1	9	0	1	0	0	1	9

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	7	M	.0300	41	81	Y	0	1	0	0	0	0	6	5
71-17	7	M	.0300	41	82	Y	1	10	0	0	0	0	1	10
71-17	7	M	.0300	42	83	Y	6	6	0	0	0	0	6	7
71-17	7	M	.0300	42	84	Y	8	6	0	0	0	0	8	5
71-17	7	M	.0300	43	85	Y	8	4	0	0	0	0	10	4
71-17	7	M	.0300	43	86	Y	8	7	0	1	0	0	8	7
71-17	7	M	.0300	44	87	Y	2	10	1	0	0	0	2	11
71-17	7	M	.0300	44	88	Y	5	6	0	0	0	0	6	6
71-17	7	M	.0300	45	89	Y	7	8	0	0	0	0	7	6
71-17	7	M	.0300	45	90	Y	7	8	0	0	0	0	7	8
71-17	7	M	.0300	46	91	Y	5	5	1	0	0	0	5	6
71-17	7	M	.0300	46	92	Y	1	6	1	0	0	0	7	6
71-17	7	M	.0300	47	93	Y	4	5	0	0	0	0	7	5
71-17	7	M	.0300	47	94	Y	8	4	1	1	0	0	8	5
71-17	7	M	.0300	48	95	Y	9	5	0	0	0	0	9	5
71-17	7	M	.0300	48	96	Y	7	6	0	1	0	0	7	6
71-17	7	M	.0300	49	97	Y	6	9	0	0	0	0	6	9
71-17	7	M	.0300	49	98	Y	6	7	0	1	0	0	6	7
71-17	7	M	.0300	50	99	Y	6	4	1	0	0	0	7	4
71-17	7	M	.0300	50	100	Y	5	7	1	2	0	0	5	7
71-17	7	M	2.5000	51	101	Y	4	7	0	0	0	0	4	7
71-17	7	M	2.5000	51	102	Y	5	8	0	0	0	0	5	8
71-17	7	M	2.5000	52	103	Y	6	7	0	0	0	1	6	7
71-17	7	M	2.5000	52	104	Y	6	5	0	0	0	0	8	5
71-17	7	M	2.5000	53	105	Y	3	4	1	1	0	0	4	7
71-17	7	M	2.5000	53	106	Y	6	7	0	0	0	0	6	7
71-17	7	M	2.5000	54	107	Y	5	7	0	0	1	1	5	8
71-17	7	M	2.5000	54	108	Y	8	4	0	0	0	0	8	4
71-17	7	M	2.5000	55	109	Y	6	6	1	1	0	0	7	7
71-17	7	M	2.5000	55	110	Y	5	7	0	1	0	0	6	8
71-17	7	M	2.5000	56	111	Y	7	5	0	0	0	0	7	7
71-17	7	M	2.5000	56	112	Y	5	7	1	1	0	0	6	7
71-17	7	M	2.5000	57	113	Y	5	7	1	0	0	0	6	7
71-17	7	M	2.5000	57	114	Y	5	4	0	0	0	0	5	5
71-17	7	M	2.5000	58	115	[illegible]	4	9	0	0	0	0	4	10
71-17	7	M	2.5000	58	116	Y	8	4	0	0	1	1	8	4
71-17	7	M	2.5000	59	117	Y	6	7	0	0	0	1	6	7
71-17	7	M	2.5000	59	118	Y	8	4	0	0	0	0	8	4
71-17	7	M	2.5000	60	119	Y	6	6	0	1	0	0	6	6
71-17	7	M	2.5000	60	120	Y	5	8	0	1	0	0	5	8

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	7	M	5.0000	61	121	Y	6	7	0	0	0	0	6	8
71-17	7	M	5.0000	61	122	Y	7	6	0	1	0	0	7	6
71-17	7	M	5.0000	62	123	Y	8	3	2	0	0	0	8	3
71-17	7	M	5.0000	62	124	Y	4	8	0	0	0	0	6	8
71-17	7	M	5.0000	63	125	Y	2	9	0	0	0	0	2	9
71-17	7	M	5.0000	63	126	N	0	0	0	0	0	0	0	0
71-17	7	M	5.0000	64	127	Y	5	4	0	0	0	0	6	4
71-17	7	M	5.0000	64	128	Y	4	7	0	0	1	3	4	9
71-17	7	M	5.0000	65	129	Y	4	6	0	0	0	0	5	6
71-17	7	M	5.0000	65	130	Y	6	8	1	0	0	0	6	8
71-17	7	M	5.0000	66	131	Y	9	3	1	0	0	0	10	6
71-17	7	M	5.0000	66	132	Y	7	4	1	0	0	0	8	4
71-17	7	M	5.0000	67	133	Y	6	7	0	0	0	0	6	7
71-17	7	M	5.0000	67	134	N	0	0	0	0	0	0	0	0
71-17	7	M	5.0000	68	135	Y	4	11	0	0	0	0	4	11
71-17	7	M	5.0000	68	136	Y	5	8	0	0	0	0	6	8
71-17	7	M	5.0000	69	137	Y	4	9	0	0	0	0	5	9
71-17	7	M	5.0000	69	138	Y	7	6	0	1	0	0	7	6
71-17	7	M	5.0000	70	139	Y	5	7	0	0	0	0	7	8
71-17	7	M	5.0000	70	140	Y	6	8	0	0	1	0	6	8

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
CNTRL17	8	S	0.0000	1	1	Y	3	7	0	0	0	1	3	8
CNTRL17	8	S	0.0000	1	2	Y	7	6	1	0	0	0	7	6
CNTRL17	8	S	0.0000	2	3	Y	7	4	0	0	1	0	7	4
CNTRL17	8	S	0.0000	2	4	Y	3	5	0	0	1	0	5	7
CNTRL17	8	S	0.0000	3	5	Y	3	9	0	0	0	0	3	9
CNTRL17	8	S	0.0000	3	6	Y	8	5	0	0	0	1	8	5
CNTRL17	8	S	0.0000	4	7	Y	1	6	0	0	0	1	5	6
CNTRL17	8	S	0.0000	4	8	Y	5	7	0	0	0	0	5	7
CNTRL17	8	S	0.0000	5	9	Y	7	6	0	0	0	1	7	6
CNTRL17	8	S	0.0000	5	10	Y	7	6	0	0	0	0	7	6
CNTRL17	8	S	0.0000	6	11	Y	8	5	0	0	0	0	8	5
CNTRL17	8	S	0.0000	6	12	Y	7	6	0	0	0	0	7	6
CNTRL17	8	S	0.0000	7	13	Y	6	7	0	0	0	1	6	7
CNTRL17	8	S	0.0000	7	14	Y	3	10	0	0	0	0	3	10
CNTRL17	8	S	0.0000	8	15	Y	6	6	0	0	0	0	6	6
CNTRL17	8	S	0.0000	8	16	Y	10	1	0	0	0	0	11	1
CNTRL17	8	S	0.0000	9	17	Y	7	9	0	0	1	0	7	9
CNTRL17	8	S	0.0000	9	18	Y	3	9	0	2	0	0	3	9
CNTRL17	8	S	0.0000	10	19	Y	5	8	0	0	0	2	7	8
CNTRL17	8	S	0.0000	10	20	Y	5	8	0	0	0	0	5	8
71-17	8	S	.0300	50	101	Y	5	1	0	0	0	0	7	5
71-17	8	S	.0300	50	102	Y	3	8	0	0	0	0	3	8
71-17	8	S	.0300	51	103	Y	10	4	0	0	0	0	10	4
71-17	8	S	.0300	51	104	Y	8	1	1	0	0	0	8	5
71-17	8	S	.0300	52	105	Y	1	3	1	0	0	0	7	6
71-17	8	S	.0300	52	106	Y	3	8	0	0	0	0	3	8
71-17	8	S	.0300	53	107	Y	6	8	3	0	0	0	6	8
71-17	8	S	.0300	53	108	Y	9	3	0	0	0	0	9	3
71-17	8	S	.0300	54	109	Y	1	3	0	0	0	0	7	5
71-17	8	S	.0300	54	110	Y	5	5	2	0	0	0	5	5
71-17	8	S	.0300	55	111	Y	7	4	0	0	0	0	8	7
71-17	8	S	.0300	55	112	Y	7	8	0	0	0	0	7	8
71-17	8	S	.0300	56	113	Y	8	5	0	0	1	0	8	5
71-17	8	S	.0300	56	114	Y	1	0	0	0	0	0	5	5
71-17	8	S	.0300	57	115	Y	7	5	0	0	0	0	7	5
71-17	8	S	.0300	57	116	Y	7	4	0	1	0	0	8	4
71-17	8	S	.0300	58	117	Y	8	5	0	0	0	1	8	7
71-17	8	S	.0300	58	118	Y	6	6	0	0	0	0	6	6
71-17	8	S	.0300	60	119	Y	2	0	1	0	0	0	2	9
71-17	8	S	.0300	60	120	Y	9	4	0	0	1	1	9	4

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
71-17	8	S	2.5000	61	121	Y	5	7	0	1	1	0	5	9
71-17	8	S	2.5000	61	122	Y	5	6	0	0	0	0	5	7
71-17	8	S	2.5000	62	123	Y	6	6	0	0	0	0	7	7
71-17	8	S	2.5000	62	124	N	0	0	0	0	0	0	0	0
71-17	8	S	2.5000	63	125	Y	3	8	1	0	0	0	4	10
71-17	8	S	2.5000	63	126	Y	7	7	0	1	0	0	8	7
71-17	8	S	2.5000	64	127	Y	5	7	0	0	1	0	6	7
71-17	8	S	2.5000	64	128	Y	4	8	0	0	0	0	4	8
71-17	8	S	2.5000	65	129	Y	6	6	0	0	0	0	8	6
71-17	8	S	2.5000	65	130	Y	6	7	0	0	0	0	6	7
71-17	8	S	2.5000	66	131	Y	6	5	1	0	0	0	7	6
71-17	8	S	2.5000	66	132	Y	5	9	1	0	0	0	5	9
71-17	8	S	2.5000	67	133	Y	5	7	0	4	0	0	6	7
71-17	8	S	2.5000	67	134	Y	3	10	0	0	0	0	3	10
71-17	8	S	2.5000	68	135	Y	7	5	0	0	2	0	8	6
71-17	8	S	2.5000	68	136	Y	4	3	1	0	0	0	9	4
71-17	8	S	2.5000	69	137	Y	7	5	0	0	0	0	8	6
71-17	8	S	2.5000	69	138	Y	5	10	0	0	0	0	5	16
71-17	8	S	2.5000	70	139	Y	7	6	1	0	0	0	7	9
71-17	8	S	2.5000	70	140	N	0	0	0	0	0	0	0	0
71-17	8	S	5.0000	71	141	Y	4	10	0	0	0	0	4	10
71-17	8	S	5.0000	71	142	Y	6	8	1	0	0	0	7	8
71-17	8	S	5.0000	72	143	Y	0	4	0	1	0	0	3	7
71-17	8	S	5.0000	72	144	Y	3	6	0	0	1	2	3	7
71-17	8	S	5.0000	73	145	Y	5	7	0	0	0	0	5	7
71-17	8	S	5.0000	73	146	Y	3	11	1	1	0	0	3	11
71-17	8	S	5.0000	74	147	Y	5	10	0	0	0	0	6	10
71-17	8	S	5.0000	74	148	Y	10	3	0	0	0	0	10	3
71-17	8	S	5.0000	75	149	Y	8	6	0	0	0	0	8	6
71-17	8	S	5.0000	75	150	Y	6	6	0	0	0	0	8	6
71-17	8	S	5.0000	76	151	Y	8	5	0	0	0	0	9	6
71-17	8	S	5.0000	76	152	Y	8	7	0	0	0	0	8	7
71-17	8	S	5.0000	77	153	Y	0	1	0	1	0	0	6	8
71-17	8	S	5.0000	77	154	Y	7	7	0	0	0	0	7	8
71-17	8	S	5.0000	78	155	Y	6	7	1	0	0	0	6	7
71-17	8	S	5.0000	78	156	Y	6	6	1	0	0	0	6	7
71-17	8	S	5.0000	79	157	Y	8	8	0	1	0	0	8	8
71-17	8	S	5.0000	79	158	Y	3	6	0	0	1	0	3	6
71-17	8	S	5.0000	80	159	N	0	0	0	0	0	0	0	0
71-17	8	S	5.0000	80	160	Y	5	7	0	0	0	0	6	7

TEST MATERIAL	WEEK	S/M	DOSE	MALE NO.	FEMALE NO.	PREG.	IMPLANTS L	IMPLANTS R	EARLY DEATHS L	EARLY DEATHS R	LATE DEATHS L	LATE DEATHS R	CORPORA LUTEA L	CORPORA LUTEA R
TEM17	8	S	.0002	11	21	Y	6	7	0	0	1	1	6	7
TEM17	8	S	.0002	11	22	Y	0	5	0	0	0	0	8	5
TEM17	8	S	.0002	12	23	Y	7	6	1	0	1	1	7	6
TEM17	8	S	.0002	12	24	N	0	0	0	0	0	0	0	0
TEM17	8	S	.0002	13	25	Y	4	5	0	1	0	0	5	5
TEM17	8	S	.0002	13	26	Y	6	6	0	0	1	1	6	6
TEM17	8	S	.0002	14	27	Y	6	6	1	0	0	0	7	8
TEM17	8	S	.0002	14	28	Y	1	5	0	0	0	0	7	6
TEM17	8	S	.0002	15	29	Y	5	6	0	1	2	0	5	6
TEM17	8	S	.0002	15	30	Y	8	3	2	0	0	0	10	3
TEM17	8	S	.0002	16	31	Y	5	7	0	1	0	1	6	7
TEM17	8	S	.0002	16	32	Y	7	6	0	0	0	0	7	6
TEM17	8	S	.0002	17	33	Y	7	7	0	0	0	0	7	7
TEM17	8	S	.0002	17	34	Y	5	5	1	0	0	0	5	5
TEM17	8	S	.0002	18	35	Y	6	7	0	0	0	0	7	7
TEM17	8	S	.0002	18	36	Y	3	10	0	1	2	3	3	11
TEM17	8	S	.0002	19	37	Y	4	7	0	0	0	1	4	8
TEM17	8	S	.0002	19	38	Y	3	7	0	0	0	0	5	7
TEM17	8	S	.0002	20	39	Y	5	7	0	0	0	0	5	7
TEM17	8	S	.0002	20	40	Y	4	9	0	0	0	1	4	9

CHI-SQUARE TEST OF THE FERTILITY INDEX (1 DEGREE OF FREEDOM)

WEEK	VEHICLE CONTROL				71-17 .03 G/KG				71-17 2.5 G/KG				71-17 5.0 G/KG				TEM .2 MG/KG			
	N PRG	N MTD	FERT. INDEX	CHISQ	N PRG	N MTD	FERT. INDEX	CHISQ	N PRG	N MTD	FERT. INDEX	CHISQ	N PRG	N MTD	FERT. INDEX	CHISQ	N PRG	N MTD	FERT. INDEX	CHISQ
SINGLE TREATMENT																				
1	20	20	1.00	0.00	14	20	.70	4.90	18	20	.90	.53	19	20	.95	0.00	18	20	.90	.53
2	20	20	1.00	0.00	18	20	.90	.53	18	20	.90	.53	19	20	.95	0.00	19	20	.95	0.00
3	20	20	1.00	0.00	19	20	.95	0.00	18	20	.90	.53	20	20	1.00	0.00	18	20	.90	.53
4	19	20	.95	0.00	19	20	.95	.53	19	20	.95	.53	18	20	.90	0.00	20	20	1.00	0.00
5	20	20	1.00	0.00	20	20	1.00	0.00	19	20	.95	0.00	20	20	1.00	0.00	20	20	1.00	0.00
6	20	20	1.00	0.00	20	20	1.00	0.00	18	20	.90	.53	18	20	.90	.53	20	20	1.00	0.00
7	20	20	1.00	0.00	20	20	1.00	0.00	19	20	.95	0.00	19	20	.95	0.00	20	20	1.00	0.00
8	20	20	1.00	0.00	20	20	1.00	0.00	18	20	.90	.53	19	20	.95	0.00	19	20	.95	0.00
MULTIPLE TREATMENT																				
1	20	20	1.00	0.00	19	20	.95	0.00	17	20	.85	1.44	10	20	.50	10.80				
2	20	20	1.00	0.00	20	20	1.00	0.00	19	20	.95	0.00	12	20	.60	7.66				
3	20	20	1.00	0.00	20	20	1.00	0.00	18	20	.90	.53	17	20	.85	1.44				
4	19	20	.95	0.00	20	20	1.00	0.00	20	20	1.00	0.00	15	20	.75	1.76				
5	20	20	1.00	0.00	20	20	1.00	0.00	20	20	1.00	0.00	15	20	.75	3.66				
6	20	20	1.00	0.00	19	20	.95	0.00	20	20	1.00	0.00	18	20	.90	.53				
7	20	20	1.00	0.00	20	20	1.00	0.00	20	20	1.00	0.00	18	20	.90	.53				

ARMITAGE TEST FOR A LINEAR TREND IN PROPORTIONS FOR THE FERTILITY INDEX
(1 DEGREE OF FREEDOM) BASED ON THE DOSE LEVELS

WEEK	.03 G/KG N PRG	.03 G/KG N MTD	2.5 G/KG N PRG	2.5 G/KG N MTD	5.0 G/KG N PRG	5.0 G/KG N MTD	CHISQ (C-1)	CHISQ (1)	ARMTG CHISQ
								SINGLE TREATMENT	
1	14	20	18	20	19	20	5.49	4.89	.60
2	18	20	18	20	19	20	.44	.33	.11
3	19	20	18	20	20	20	2.11	.53	1.57
4	19	20	19	20	16	20	.54	.40	.13
5	20	20	19	20	20	20	2.03	.00	2.03
6	20	20	18	20	18	20	2.14	1.60	.54
7	20	20	19	20	19	20	1.03	.77	.26
8	20	20	18	20	19	20	2.11	.52	1.59
								MULTIPLE TREATMENT	
1	19	20	17	20	10	20	12.48	11.35	1.14
2	20	20	19	20	12	20	14.90	12.59	2.32
3	20	20	18	20	17	20	3.05	2.94	.11
4	20	20	20	20	15	20	10.91	8.21	2.69
5	20	20	20	20	15	20	10.91	8.21	2.69
6	19	20	20	20	18	20	2.11	.53	1.57
7	20	20	20	20	18	20	4.14	3.12	1.02

ARMITAGE TEST FOR A LINEAR TREND IN PROPORTIONS FOR THE FERTILITY INDEX
(1 DEGREE OF FREEDOM) BASED ON THE LOGARITHMS OF THE DOSE LEVELS

	.03 G/KG		2.5 G/KG		5.0 G/KG				
WEEK	N PRG	N MTD	N PRG	N MTD	N PRG	N MTD	CHISQ (C-1)	CHISQ (1)	ARMTG CHISQ
							SINGLE TREATMENT		
1	14	20	18	20	19	20	5.49	5.47	.02
2	18	20	18	20	19	20	.46	.16	.28
3	19	20	18	20	20	20	2.11	.03	2.07
4	19	20	19	20	18	20	.54	.20	.34
5	20	20	19	20	20	20	2.03	.31	1.73
6	20	20	18	20	18	20	2.14	2.11	.03
7	20	20	19	20	19	20	1.03	1.02	.02
8	20	20	18	20	19	20	2.11	1.34	.77
							MULTIPLE TREATMENT		
1	19	20	17	20	10	20	12.48	7.20	5.29
2	20	20	19	20	12	20	14.90	7.13	7.77
3	20	20	18	20	17	20	3.05	2.92	.13
4	20	20	20	20	15	20	10.91	3.98	6.93
5	20	20	20	20	15	20	10.91	3.98	6.93
6	19	20	20	20	18	20	2.11	.03	2.07
7	20	20	20	20	18	20	4.14	1.51	2.63

ARMITAGE TEST FOR A LINEAR TREND IN PROPORTIONS FOR THE FERTILITY INDEX
(2 DEGREES OF FREEDOM) BASED ON THE DOSE LEVELS AND INCLUDING THE CONTROL GROUP

	CONTROL		.03 G/KG		2.5 G/KG		5.0 G/KG				
WEEK	N PRG	N MTD	N PRG	N MTD	N PRG	N MTD	N PRG	N MTD	CHISQ (C-1)	CHISQ (1)	ARMTG CHISQ
							SINGLE TREATMENT				
1	20	20	14	20	18	20	19	20	10.39	1.34	9.05
2	20	20	18	20	18	20	19	20	2.35	.02	2.33
3	20	20	19	20	18	20	20	20	3.81	.03	3.78
4	19	20	19	20	19	20	18	20	.64	.49	.15
5	20	20	20	20	19	20	20	20	3.04	.09	2.95
6	20	20	20	20	18	20	18	20	4.21	3.44	.77
7	20	20	20	20	19	20	19	20	2.05	1.68	.38
8	20	20	20	20	18	20	19	20	3.81	1.54	2.27
							MULTIPLE TREATMENT				
1	20	20	19	20	17	20	10	20	21.13	19.71	1.41
2	20	20	20	20	19	20	12	20	22.41	19.16	3.25
3	20	20	20	20	18	20	17	20	5.76	5.60	.16
4	19	20	20	20	20	20	15	20	12.25	7.93	4.32
5	20	20	20	20	20	20	15	20	16.00	12.14	3.86
6	20	20	19	20	20	20	13	20	3.81	1.56	2.25
7	20	20	20	20	20	20	18	20	6.15	4.67	1.48

T-TEST OF THE NUMBER OF IMPLANTATIONS IN PREGNANT FEMALES.

WEEK	CONTROL			71-17 .03 G/KG				71-17 2.5 G/KG				71-17 5.0 G/KG				TEM .2 MG/KG			
	N PRG	MEAN	STD DEV	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T
SINGLE TREATMENT																							
1	20	12.20	1.40	14	12.43	3.63	32	.257	18	12.50	1.25	36	.694	19	11.63	1.89	37	1.071	18	11.83	2.90	36	.595
2	20	12.85	2.73	18	12.17	3.59	36	.660	18	12.44	1.38	36	.560	19	12.37	2.67	37	.561	19	9.47	2.67	37	3.884
3	20	12.35	1.69	19	12.21	2.55	37	.202	18	11.17	2.96	36	1.534	20	11.70	3.18	38	.807	18	9.22	2.32	36	4.186
4	19	12.21	3.12	19	11.64	2.77	36	.385	19	11.68	3.07	36	.524	18	12.83	1.47	35	.770	20	5.15	2.54	37	7.274
5	20	13.60	1.88	20	11.70	3.39	38	2.194	19	12.11	2.69	37	2.324	20	11.25	3.82	38	2.460	20	11.10	3.01	38	3.195
6	20	12.75	1.21	20	12.20	3.09	38	.742	18	12.28	3.27	36	.603	18	11.33	3.11	36	1.889	20	11.85	2.41	38	1.472
7	20	10.45	3.62	20	11.10	2.92	38	.625	19	9.74	3.69	37	.609	19	10.74	2.81	37	.276	20	11.25	.97	38	.895
8	20	12.05	1.96	20	9.90	4.19	38	2.078	18	12.11	1.68	36	.103	19	11.89	3.80	37	.162	19	11.21	2.39	37	1.201
MULTIPLE TREATMENT																							
1	20	12.20	1.40	19	11.42	3.66	37	.887	17	11.76	2.31	35	.706	10	11.70	2.21	28	.758					
2	20	12.85	2.78	20	12.80	1.88	38	.067	19	12.89	1.37	37	.063	12	10.92	2.64	30	1.940					
3	20	12.35	1.69	20	12.05	1.28	38	.632	18	11.94	1.55	36	.766	17	12.41	2.43	35	.091					
4	19	12.21	3.12	20	10.55	4.05	37	1.430	20	11.85	3.10	37	.362	13	11.13	2.50	32	1.088					
5	20	13.60	1.88	20	13.00	1.30	38	1.177	20	12.95	1.39	38	1.244	15	13.33	.98	33	.501					
6	20	12.75	1.21	19	10.89	3.21	37	2.411	20	11.75	1.52	38	2.305	18	12.06	2.67	36	1.052					
7	20	10.45	3.62	20	11.55	3.24	38	1.013	20	11.80	1.47	38	1.545	18	12.22	1.52	36	1.928					

REGRESSION FITS OF THE NUMBER, U, OF IMPLANTATIONS ON 1) DOSE, AND 2) LOG DOSE.
(PREDICTED U = A + B*X) CONTROL GROUP EXCLUDED

WEEK	X	N	XBAR	SD X	UBAR	SD U	B	A	TB	DF	VARU.X	CV U	VARB	VARA	VARUBAR
							SINGLE TREATMENT								
1	DOSE	51	2.75	2.00	12.16	2.33	-.171	12.628	-1.042	49	5.4056	.1912	.0269	.3100	.1060
	LOG DOSE	51	-.04	2.17	12.16	2.33	-.100	12.153	-.660	49	5.4767	.1925	.0232	.1074	.1074
2	DOSE	55	2.56	2.06	12.33	2.65	.040	12.226	.225	53	7.1650	.2171	.0314	.3351	.1203
	LOG DOSE	55	-.29	2.28	12.33	2.65	.047	12.341	.297	53	7.1599	.2171	.0285	.0523	.1202
3	DOSE	57	2.55	2.07	11.70	2.89	-.100	11.956	-.531	55	8.4044	.2486	.0352	.4770	.1485
	LOG DOSE	57	-.31	2.29	11.70	2.89	-.145	11.656	-.860	55	8.3950	.2476	.0285	.1501	.1473
4	DOSE	56	2.47	2.04	12.11	2.56	.198	11.620	1.172	54	6.4897	.2104	.0284	.0885	.1159
	LOG DOSE	56	-.36	2.29	12.11	2.56	.108	12.146	.718	54	6.5918	.2121	.0228	.1207	.1177
5	DOSE	59	2.51	2.06	11.68	3.30	-.091	11.906	-.430	57	11.0673	.2859	.0448	.4699	.1876
	LOG DOSE	59	-.35	2.30	11.68	3.30	-.026	11.669	-.135	57	11.0996	.2853	.0362	.1925	.1891
6	DOSE	56	2.42	2.06	11.95	3.12	-.171	12.361	-.837	54	9.8142	.2822	.0419	.4210	.1763
	LOG DOSE	56	-.44	2.32	11.95	3.12	-.101	11.902	-.555	54	9.8850	.2832	.0323	.1830	.1785
7	DOSE	58	2.47	2.05	10.53	3.16	-.076	10.722	-.371	56	10.1256	.3021	.0421	.4307	.1756
	LOG DOSE	58	-.38	2.30	10.53	3.16	-.156	10.475	-.860	56	10.0182	.3005	.0331	.1775	.1727
8	DOSE	57	2.47	2.07	11.26	3.53	.404	10.266	1.912	55	11.9943	.3075	.0498	.5135	.2104
	LOG DOSE	57	-.40	2.32	11.26	3.53	.428	11.436	2.172	55	11.7062	.3038	.0389	.2117	.2054
							MULTIPLE TREATMENTS								
1	DOSE	46	2.02	1.93	11.61	2.87	.066	11.475	.295	44	8.4142	.2499	.0501	.3080	.1829
	LOG DOSE	46	-.76	2.34	11.61	2.87	.066	11.659	.360	44	8.4061	.2498	.0240	.2024	.1827
2	DOSE	51	2.12	1.95	12.39	2.06	-.340	13.112	-2.374	49	3.8832	.1590	.0205	.1681	.0761
	LOG DOSE	51	-.66	2.33	12.39	2.06	-.178	12.275	-1.441	49	4.1537	.1645	.0153	.0880	.0814
3	DOSE	55	2.37	2.05	12.13	1.76	.070	11.961	.594	53	3.1509	.1464	.0139	.1354	.0573
	LOG DOSE	55	-.48	2.33	12.13	1.76	.035	12.164	.335	53	3.1652	.1467	.0108	.0600	.0575
4	DOSE	55	2.28	1.99	11.18	3.33	.138	10.867	.601	53	11.2100	.2994	.0526	.4780	.2038
	LOG DOSE	55	-.50	2.31	11.18	3.33	.193	11.279	.981	53	11.0852	.2978	.0305	.2113	.2015
5	DOSE	55	2.28	1.99	13.07	1.25	.063	12.930	.732	53	1.5636	.0957	.0073	.0667	.0284
	LOG DOSE	55	-.50	2.31	13.07	1.25	.032	13.039	.430	53	1.5739	.0960	.0055	.0300	.0286
6	DOSE	57	2.47	2.02	11.56	2.55	.234	10.983	1.401	55	6.3907	.2187	.0280	.2823	.1121
	LOG DOSE	57	-.34	2.28	11.56	2.55	.214	11.634	1.445	55	6.3768	.2184	.0220	.1144	.1119
7	DOSE	58	2.42	2.03	11.84	2.23	.135	11.518	.923	56	4.9885	.1886	.0213	.2112	.0860
	LOG DOSE	58	-.39	2.30	11.84	2.23	.103	11.885	.794	56	5.0080	.1889	.0167	.0809	.0863

REGRESSION FITS OF THE NUMBER, U, OF IMPLANTATIONS ON DOSE,
(PREDICTED U = A + B*X) CONTROL GROUP INCLUDED

WEEK	X	N	XBAR	SD X	UBAR	SD U	B	A	TB	DF	VARU.X	CV U	VARB	VARA	VARUBAR
							SINGLE TREATMENT								
1	DOSE	71	1.98	2.10	12.17	2.10	-.116	12.399	-.976	69	4.4026	.1724	.0142	.1176	.0620
2	DOSE	75	1.87	2.09	12.47	2.68	-.032	12.527	-.216	73	7.2648	.2162	.0224	.1756	.0969
3	DOSE	77	1.89	2.11	11.87	2.64	-.144	12.142	-1.001	75	6.9565	.2222	.0206	.1541	.0903
4	DOSE	75	1.84	2.06	12.13	2.69	.132	11.890	.869	73	7.2492	.2219	.0230	.1743	.0967
5	DOSE	79	1.87	2.09	12.16	3.11	-.277	12.684	-1.564	77	9.4630	.2929	.0277	.2173	.4198
6	DOSE	76	1.78	2.07	12.16	2.77	-.215	12.541	-1.397	74	7.5587	.2261	.0235	.1745	.0995
7	DOSE	78	1.83	2.07	10.51	3.26	-.046	10.587	-.255	76	10.7472	.3118	.0324	.2470	.1378
8	DOSE	77	1.83	2.09	11.47	3.21	.207	11.089	1.180	75	10.2259	.2789	.0309	.2359	.1328
							MULTIPLE TREATMENTS								
1	DOSE	66	1.41	1.86	11.79	2.52	-.025	11.823	-.147	64	6.4514	.2155	.0237	.1548	.0977
2	DOSE	71	1.52	1.91	12.52	2.27	-.308	12.990	-2.222	69	4.8922	.1766	.0192	.1135	.0689
3	DOSE	75	1.74	2.05	12.19	1.74	.026	12.141	.265	73	3.0572	.1435	.0099	.0707	.0408
4	DOSE	74	1.70	1.98	11.45	3.29	-.013	11.468	-.067	72	10.9477	.2891	.0382	.2579	.1479
5	DOSE	75	1.67	1.98	13.21	1.45	-.015	13.238	-.173	73	2.1168	.1101	.0073	.0487	.0282
6	DOSE	77	1.83	2.05	11.87	2.33	.032	11.812	.242	75	5.4984	.1975	.0173	.1290	.0714
7	DOSE	78	1.80	2.04	11.49	2.70	.254	11.028	1.711	76	7.1140	.2322	.0221	.1631	.0912

T-TEST TEST OF THE (TRANSFORMED) PRE-IMPLANTATION LOSSES IN PREGNANT FEMALES.
(LOSSES TAKEN AS A SUBSET OF THE SET OF CORPORA LUTEA)

WEEK	CONTROL			71-17 .03 G/KG					71-17 2.5 G/KG					71-17 5.0 G/KG					TEM .2 MG/KG				
	N PRG	MEAN	STD DEV	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T
SINGLE TREATMENT																							
1	20	.47	.32	14	.54	.54	32	.442	18	.42	.20	36	.570	19	.50	.29	37	.308	18	.74	.47	36	2.012
2	20	.51	.45	18	.76	.60	36	1.474	18	.56	.29	36	.438	19	.62	.39	37	.803	19	1.01	.42	37	3.587
3	20	.57	.37	19	.49	.40	37	.658	18	.68	.53	36	.770	20	.67	.52	38	.689	18	1.00	.44	36	3.253
4	19	.61	.51	19	.64	.56	36	.207	19	.61	.53	36	.028	18	.47	.26	35	.989	20	1.73	.59	37	6.364
5	20	.44	.24	20	.72	.54	38	2.113	19	.64	.47	37	1.621	20	.74	.62	38	1.996	20	.66	.58	38	1.541
6	20	.48	.21	20	.63	.55	38	1.160	18	.50	.56	36	.169	18	.76	.50	36	2.330	20	.69	.39	38	2.197
7	20	.76	.61	20	.71	.45	38	.258	19	.72	.69	37	.179	19	.69	.49	37	.387	20	.46	.24	38	2.060
8	20	.44	.33	20	.84	.75	38	2.161	18	.74	.33	36	2.763	19	.61	.58	37	1.123	19	.63	.46	37	1.486
MULTIPLE TREATMENT																							
1	20	.47	.32	19	.81	.58	37	2.229	17	.44	.39	35	.331	10	.60	.47	28	.856					
2	20	.51	.45	20	.41	.24	38	.834	19	.53	.25	37	.190	12	.58	.52	30	.417					
3	20	.57	.37	20	.45	.25	38	1.198	18	.50	.32	36	.633	17	.53	.37	35	.319					
4	19	.61	.51	20	.88	.66	37	1.432	20	.65	.51	37	.259	15	.81	.47	32	1.159					
5	20	.44	.24	20	.45	.22	38	.160	20	.43	.23	38	.222	15	.48	.22	33	.530					
6	20	.48	.21	19	.85	.51	37	3.005	20	.52	.29	38	.572	18	.65	.45	36	1.522					
7	20	.76	.61	20	.63	.54	38	.682	20	.54	.30	38	1.396	18	.55	.28	36	1.270					

T-TEST OF THE (TRANSFORMED) NUMBER OF DEAD IMPLANTS.

WEEK	CONTROL			71-17 .03 G/KG					71-17 2.5 G/KG					71-17 5.0 G/KG					TEM .2 MG/KG				
	N PRG	MEAN	STD DEV	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T
SINGLE TREATMENT																							
1	20	.39	.23	14	.41	.32	32	.214	18	.49	.23	36	1.281	19	.39	.22	37	.017	18	1.19	.48	35	6.606
2	20	.51	.34	18	.43	.24	36	.886	18	.43	.25	36	.875	19	.40	.24	37	1.199	19	1.71	.73	37	6.816
3	20	.47	.29	19	.44	.21	37	.376	18	.47	.27	36	.065	20	.53	.32	38	.590	18	1.80	.40	36	11.795
4	19	.52	.30	19	.53	.30	36	.196	19	.53	.24	36	.147	18	.49	.24	35	.325	20	1.37	.54	37	6.089
5	20	.65	.25	20	.56	.33	38	1.024	19	.43	.27	37	2.676	20	.57	.35	38	.799	20	.90	.42	38	2.292
6	20	.52	.59	20	.39	.19	38	.999	18	.46	.23	36	.407	18	.54	.39	36	.129	20	.64	.41	38	.792
7	20	.60	.29	20	.61	.40	38	.107	19	.44	.23	37	1.929	19	.58	.33	37	.159	20	.52	.32	38	.805
8	20	.51	.23	20	.50	.27	38	.209	18	.52	.26	36	.147	19	.49	.28	37	.242	19	.66	.35	37	1.965
MULTIPLE TREATMENT																							
1	20	.39	.23	19	.51	.36	37	1.238	17	.50	.37	35	1.093	10	.54	.33	28	1.456					
2	20	.51	.34	20	.59	.30	38	.751	19	.48	.32	37	.296	12	.53	.33	30	.134					
3	20	.47	.29	20	.52	.26	38	.483	18	.47	.23	36	.083	17	.50	.36	35	.274					
4	19	.52	.30	20	.63	.36	37	1.077	20	.64	.37	37	1.136	15	.62	.44	32	.790					
5	20	.70	.35	20	.38	.21	38	3.534	20	.50	.26	38	2.115	15	.44	.24	33	2.486					
6	20	.52	.59	19	.50	.27	37	.191	20	.56	.35	38	.270	18	.59	.29	36	.405					
7	20	.60	.29	20	.48	.26	38	1.373	20	.54	.26	38	.644	18	.48	.28	36	1.235					

CHI-SQUARE TEST OF THE DEATH INDEX (1 DEGREE OF FREEDOM)

WEEK	VEHICLE CONTROL				71-17 .03 G/KG				71-17 2.5 G/KG				71-17 5.0 G/KG				TEM .2 MG/KG			
	N WDI	N PRG	DEATH INDEX	CHISQ	N WDI	N PRG	DEATH INDEX	CHISQ	N WDI	N PRG	DEATH INDEX	CHISQ	N WDI	N PRG	DEATH INDEX	CHISQ	N WDI	N PRG	DEATH INDEX	CHISQ
SINGLE TREATMENT																				
1	5	20	.25	0.00	3	14	.21	.03	9	18	.50	1.58	4	19	.21	.01	17	18	.94	15.00
2	10	20	.50	0.00	7	18	.39	.13	6	18	.33	.50	5	19	.26	1.42	17	19	.89	5.39
3	8	20	.40	0.00	8	19	.42	.04	7	18	.39	.07	10	20	.50	.10	18	18	1.00	13.13
4	9	19	.47	0.00	10	19	.53	0.00	11	19	.58	.11	9	18	.50	.03	20	20	1.00	11.53
5	16	20	.80	0.00	10	20	.50	2.75	6	19	.32	7.43	12	20	.60	1.07	16	20	.80	.16
6	7	20	.35	0.00	6	20	.30	0.00	7	18	.39	.01	8	18	.44	.07	11	20	.55	.91
7	12	20	.60	0.00	11	20	.55	0.00	6	19	.32	2.13	10	19	.53	.02	8	20	.40	.90
8	11	20	.55	0.00	9	20	.45	.10	10	18	.56	.09	9	19	.47	.02	12	19	.63	.04
MULTIPLE TREATMENT																				
1	5	20	.25	0.00	8	19	.42	.63	6	17	.35	.10	5	10	.50	.92				
2	10	20	.50	0.00	12	20	.60	.10	8	19	.42	.03	5	12	.42	.01				
3	8	20	.40	0.00	10	20	.50	.10	8	18	.44	.00	7	17	.41	.07				
4	9	19	.47	0.00	13	20	.65	.62	13	20	.65	.62	8	15	.53	0.00				
5	16	20	.80	0.00	5	20	.25	10.03	10	20	.50	2.75	6	15	.40	4.29				
6	7	20	.35	0.00	9	19	.47	.21	10	20	.50	.41	11	18	.61	1.65				
7	12	20	.60	0.00	9	20	.45	.40	11	20	.55	0.00	8	18	.44	.40				

ARMITAGE TEST FOR A LINEAR TREND IN PROPORTIONS FOR THE DEATH INDEX
(1 DEGREE OF FREEDOM) BASED ON THE DOSE LEVELS

	.03 G/KG		2.5 G/KG		5.0 G/KG				
WEEK	N WDI	N PRG	N WDI	N PRG	N WDI	N PRG	CHISQ (C-1)	CHISQ (1)	ARMTG CHISQ
							SINGLE TREATMENT		
1	3	14	9	18	4	19	4.48	.05	4.43
2	7	18	6	18	5	19	.67	.67	.00
3	8	19	7	18	10	20	.51	.26	.25
4	10	19	11	19	9	18	.24	.02	.22
5	10	20	6	19	12	20	3.23	.41	2.83
6	6	20	7	18	8	18	.87	.85	.02
7	11	20	6	19	10	19	2.57	.03	2.54
8	9	20	10	18	9	19	.46	.02	.43
							MULTIPLE TREATMENT		
1	8	19	6	17	5	10	.57	.08	.49
2	12	20	8	19	5	12	1.59	1.23	.36
3	10	20	8	18	7	17	.30	.29	.01
4	13	20	13	20	8	15	.63	.45	.18
5	5	20	10	20	6	15	2.68	1.03	1.65
6	9	19	10	20	11	18	.79	.69	.09
7	9	20	11	20	8	18	.55	.00	.55

ARMITAGE TEST FOR A LINEAR TREND IN PROPORTIONS FOR THE DEATH INDEX
(1 DEGREE OF FREEDOM) BASED ON THE LOGARITHMS OF THE DOSE LEVELS

	.03 G/KG		2.5 G/KG		5.0 G/KG				
WEEK	N WDI	N PRG	N WDI	N PRG	N WDI	N PRG	CHISQ (C-1)	CHISQ (1)	ARMTG CHISQ
							SINGLE TREATMENT		
1	3	14	9	18	4	19	4.48	.45	4.03
2	7	18	6	18	5	19	.67	.53	.13
3	8	19	7	18	10	20	.51	.07	.44
4	10	19	11	19	9	18	.24	.00	.24
5	10	20	6	19	12	20	3.23	.00	3.23
6	6	20	7	18	8	18	.87	.81	.06
7	11	20	6	19	10	19	2.57	.59	1.98
8	9	20	10	18	9	19	.46	.16	.30
							MULTIPLE TREATMENT		
1	8	19	6	17	5	10	.57	.00	.57
2	12	20	8	19	5	12	1.59	1.57	.01
3	10	20	8	18	7	17	.30	.28	.02
4	13	20	13	20	8	15	.63	.20	.43
5	5	20	10	20	6	15	2.68	2.07	.61
6	9	19	10	20	11	18	.79	.41	.37
7	9	20	11	20	8	18	.55	.08	.48

ARMITAGE TEST FOR A LINEAR TREND IN PROPORTIONS FOR THE DEATH INDEX
(2 DEGREES OF FREEDOM) BASED ON THE DOSE LEVELS AND INCLUDING THE CONTROL GROUP

	CONTROL		.03 G/KG		2.5 G/KG		5.0 G/KG				
WEEK	N WDI	N PRG	N WDI	N PRG	N WDI	N PRG	N WDI	N PRG	CHISQ (C-1)	CHISQ (1)	ARMTG CHISQ
							SINGLE TREATMENT				
1	5	20	3	14	9	18	4	19	4.91	.02	4.90
2	10	20	7	18	6	18	5	19	2.50	1.98	.52
3	8	20	8	19	7	18	10	20	.60	.35	.26
4	9	19	10	19	11	19	9	18	.46	.01	.45
5	16	20	10	20	6	19	12	20	9.68	.61	9.07
6	7	20	6	20	7	18	8	18	.91	.80	.11
7	12	20	11	20	6	19	10	19	3.63	.47	3.16
8	11	20	9	20	10	18	9	19	.66	.01	.65
							MULTIPLE TREATMENT				
1	5	20	8	19	6	17	5	10	2.20	.79	1.41
2	10	20	12	20	8	19	5	12	1.59	.99	.60
3	8	20	10	20	8	18	7	17	.48	.06	.42
4	9	19	13	20	13	20	8	15	1.82	.00	1.82
5	16	20	5	20	10	20	6	15	12.79	.64	12.15
6	7	20	9	19	10	20	11	18	2.63	2.04	.59
7	12	20	9	20	11	20	8	18	1.37	.23	1.14

PROBIT ANALYSIS OF THE PROPORTION OF PREGNANT FEMALES WITH 1 OR MORE DEAD IMPLANTS
PROBIT = A + B(LOG DOSE)

WEEK	B	A	CHISQ	DF
	SINGLE TREATMENT			
1	.139	4.513	3.91	1
2	-.129	4.533	.15	1
3	.046	4.852	.43	1
4	.007	5.091	.24	1
5	-.010	4.935	3.23	1
6	.156	4.707	.05	1
7	-.128	4.892	2.00	1
8	.066	4.989	.30	1
	MULTIPLE TREATMENT			
1	-.002	4.780	.57	1
2	-.222	4.912	.01	1
3	-.090	4.867	.02	1
4	-.078	5.285	.42	1
5	.259	4.744	.60	1
6	.109	5.082	.38	1
7	.047	4.965	.48	1

T-TEST OF THE (TRANSFORMED) NUMBER OF DEAD IMPLANTS.
(DEAD IMPLANTS TAKEN AS A SUBSET OF THE SET OF IMPLANTS)

WEEK	CONTROL			71-17 .03 G/KG					71-17 2.5 G/KG					71-17 5.0 G/KG					TEM .2 MG/KG				
	N PRG	MEAN	STD DEV	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T
SINGLE TREATMENT																							
1	20	.40	.23	14	.52	.60	32	.817	18	.49	.23	35	1.249	19	.40	.23	37	.032	18	1.29	.49	38	7.272
2	20	.54	.35	18	.48	.24	36	.614	18	.45	.27	36	.885	19	.43	.29	37	1.011	19	2.06	.82	37	7.591
3	20	.49	.30	19	.48	.26	37	.218	18	.52	.32	36	.212	20	.64	.53	38	1.064	18	2.30	.52	36	13.193
4	19	.61	.51	19	.57	.29	36	.289	19	.59	.32	36	.121	18	.50	.24	35	.847	20	2.58	.21	37	15.809
5	20	.67	.26	20	.61	.32	38	.659	19	.46	.28	37	2.366	20	.72	.56	38	.372	20	.96	.42	38	2.079
6	20	.53	.59	20	.42	.21	38	.769	18	.57	.52	36	.194	18	.66	.57	36	.653	20	.66	.40	38	.868
7	20	.73	.49	20	.67	.44	38	.363	19	.53	.38	37	1.398	19	.64	.36	37	.661	20	.53	.33	38	1.422
8	20	.53	.25	20	.61	.37	38	.803	18	.57	.30	36	.372	19	.61	.53	37	.602	19	.69	.35	37	1.603
MULTIPLE TREATMENT																							
1	20	.40	.23	19	.58	.38	37	1.783	17	.53	.40	35	1.218	10	.59	.41	28	1.655					
2	20	.54	.35	20	.60	.30	38	.600	19	.51	.37	37	.266	12	.62	.54	30	.536					
3	20	.49	.30	20	.53	.28	38	.398	18	.49	.27	36	.039	17	.52	.36	35	.257					
4	19	.61	.51	20	.78	.56	37	.973	20	.69	.37	37	.525	15	.68	.47	32	.401					
5	20	.72	.35	20	.39	.22	38	3.574	20	.51	.28	38	2.099	15	.45	.25	33	2.495					
6	20	.53	.59	19	.62	.54	37	.487	20	.58	.36	38	.331	18	.64	.34	36	.687					
7	20	.73	.49	20	.53	.28	38	1.587	20	.57	.29	38	1.232	18	.50	.30	36	1.672					

CONTROL GROUP ANOVA FOR THE NUMBER OF PREGNANT FEMALES

	BETWEEN MALES			WITHIN MALES			TOTAL		
WEEK	SUMSQ	DF	MEANSQ	SUMSQ	DF	MEANSQ	SUMSQ	DF	F
				SINGLE TREATMENT					
1	0.000	9	0.000	0.000	10	0.000	0.000	19	I
2	0.000	9	0.000	0.000	10	0.000	0.000	19	I
3	0.000	9	0.000	0.000	10	0.000	0.000	19	I
4	.450	9	.050	.500	10	.050	.950	19	1.000
5	0.000	9	0.000	0.000	10	0.000	0.000	19	I
6	0.000	9	0.000	0.000	10	0.000	0.000	19	I
7	0.000	9	0.000	0.000	10	0.000	0.000	19	I
8	0.000	9	0.000	0.000	10	0.000	0.000	19	I
				MULTIPLE TREATMENT					
1	0.000	9	0.000	0.000	10	0.000	0.000	19	I
2	0.000	9	0.000	0.000	10	0.000	0.000	19	I
3	0.000	9	0.000	0.000	10	0.000	0.000	19	I
4	.450	9	.050	.500	10	.050	.950	19	1.000
5	0.000	9	0.000	0.000	10	0.000	0.000	19	I
6	0.000	9	0.000	0.000	10	0.000	0.000	19	I
7	0.000	9	0.000	0.000	10	0.000	0.000	19	I

CONTROL GROUP ANOVA FOR THE NUMBER OF IMPLANTATIONS PER PREGNANT FEMALE

	BETWEEN MALES			WITHIN MALES			TOTAL		
WEEK	SUMSQ	DF	MEANSQ	SUMSQ	DF	MEANSQ	SUMSQ	DF	F
				SINGLE TREATMENT					
1	29.200	9	3.244	8.000	10	.800	37.200	19	4.056
2	80.050	9	8.894	66.500	10	6.650	146.550	19	1.338
3	32.050	9	3.561	22.500	10	2.250	54.550	19	1.583
4	82.687	9	9.188	92.500	9	10.278	175.187	18	.894
5	34.800	9	3.867	32.000	10	3.200	66.800	19	1.208
6	10.250	9	1.139	17.500	10	1.750	27.750	19	.651
7	102.450	9	11.383	146.500	10	14.650	248.950	19	.777
8	42.450	9	4.717	30.500	10	3.050	72.950	19	1.546
				MULTIPLE TREATMENT					
1	29.200	9	3.244	8.000	10	.800	37.200	19	4.056
2	80.050	9	8.894	66.500	10	6.650	146.550	19	1.338
3	32.050	9	3.561	22.500	10	2.250	54.550	19	1.583
4	82.687	9	9.188	92.500	9	10.278	175.187	18	.894
5	34.800	9	3.867	32.000	10	3.200	66.800	19	1.208
6	10.250	9	1.139	17.500	10	1.750	27.750	19	.651
7	102.450	9	11.383	146.500	10	14.650	248.950	19	.777

CONTROL GROUP ANOVA FOR THE PRE-IMPLANTATION LOSS PER PREGNANT FEMALE

	BETWEEN MALES			WITHIN MALES			TOTAL		
WEEK	SUMSQ	DF	MEANSQ	SUMSQ	DF	MEANSQ	SUMSQ	DF	F
				SINGLE TREATMENT					
1	25.200	9	2.800	28.000	10	2.800	53.200	19	1.000
2	82.250	9	9.139	93.500	10	9.350	175.750	19	.977
3	33.200	9	3.689	30.000	10	3.000	63.200	19	1.230
4	50.727	9	5.636	32.500	9	3.611	83.227	18	1.561
5	6.450	9	.717	4.500	10	.450	10.950	19	1.593
6	3.800	9	.422	5.000	10	.500	8.800	19	.844
7	81.200	9	9.022	39.000	10	3.900	120.200	19	2.313
8	11.800	9	1.311	19.000	10	1.900	30.800	19	.690
				MULTIPLE TREATMENT					
1	25.200	9	2.800	28.000	10	2.800	53.200	19	1.000
2	82.250	9	9.139	93.500	10	9.350	175.750	19	.977
3	33.200	9	3.689	30.000	10	3.000	63.200	19	1.230
4	50.727	9	5.636	32.500	9	3.611	83.227	18	1.561
5	6.450	9	.717	4.500	10	.450	10.950	19	1.593
6	3.800	9	.422	5.000	10	.500	8.800	19	.844
7	81.200	9	9.022	39.000	10	3.900	120.200	19	2.313

CONTROL GROUP ANOVA FOR THE NUMBER OF DEAD IMPLANTS PER PREGNANT FEMALE

	BETWEEN MALES			WITHIN MALES			TOTAL		
WEEK	SUMSQ	DF	MEANSQ	SUMSQ	DF	MEANSQ	SUMSQ	DF	F
				SINGLE TREATMENT					
1	3.050	9	.339	5.500	10	.550	8.550	19	.616
2	18.050	9	2.006	20.500	10	2.050	38.550	19	.978
3	10.200	9	1.133	14.000	10	1.400	24.200	19	.810
4	10.027	9	1.114	18.500	9	2.056	28.527	18	.542
5	16.050	9	1.783	10.500	10	1.050	26.550	19	1.698
6	70.450	9	7.828	64.500	10	6.450	134.950	19	1.214
7	5.000	9	.556	19.000	10	1.900	24.000	19	.292
8	4.050	9	.450	4.500	10	.450	8.550	19	1.000
				MULTIPLE TREATMENT					
1	3.050	9	.339	5.500	10	.550	8.550	19	.616
2	18.050	9	2.006	20.500	10	2.050	38.550	19	.978
3	10.200	9	1.133	14.000	10	1.400	24.200	19	.810
4	10.027	9	1.114	18.500	9	2.056	28.527	18	.542
5	40.050	9	4.450	16.500	10	1.650	56.550	19	2.697
6	70.450	9	7.828	64.500	10	6.450	134.950	19	1.214
7	5.000	9	.556	19.000	10	1.900	24.000	19	.292

CONTROL GROUP ANOVA FOR THE RATIO OF DEAD IMPLANTS TO TOTAL IMPLANTS PER PREGNANT FEMALE

	BETWEEN MALES			WITHIN MALES			TOTAL		
WEEK	SUMSQ	DF	MEANSQ	SUMSQ	DF	MEANSQ	SUMSQ	DF	F
				SINGLE TREATMENT					
1	.021	9	.002	.038	10	.004	.060	19	.624
2	.154	9	.017	.188	10	.019	.342	19	.908
3	.071	9	.008	.096	10	.010	.168	19	.824
4	.385	9	.043	.589	9	.065	.973	18	.654
5	.087	9	.010	.057	10	.006	.144	19	1.697
6	.485	9	.054	.453	10	.045	.937	19	1.190
7	.333	9	.037	.633	10	.063	.966	19	.586
8	.030	9	.003	.037	10	.004	.067	19	.898
				MULTIPLE TREATMENT					
1	.021	9	.002	.038	10	.004	.060	19	.624
2	.154	9	.017	.188	10	.019	.342	19	.908
3	.071	9	.008	.096	10	.010	.168	19	.824
4	.385	9	.043	.589	9	.065	.973	18	.654
5	.252	9	.028	.117	10	.012	.368	19	2.397
6	.485	9	.054	.453	10	.045	.937	19	1.190
7	.333	9	.037	.633	10	.063	.966	19	.586

T-TEST OF THE NUMBER OF CORPORA LUTEA IN PREGNANT FEMALES.

WEEK	CONTROL			71-17 .03 G/KG				71-17 2.5 G/KG				71-17 5.0 G/KG				TEM .2 MG/KG			
	N PRG	MEAN	STD DEV	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T	N PRG	MEAN	STD DEV	DF	T
											SINGLE TREATMENT												
1	20	13.00	1.59	14	13.29	2.52	32	.405	18	12.89	1.13	36	.246	19	12.37	1.83	37	1.152	15	13.78	1.31	36	1.226
2	20	14.10	3.21	18	14.55	2.75	36	.467	18	13.44	1.38	36	.801	19	13.58	1.74	37	.625	19	12.47	2.37	37	1.793
3	20	13.55	1.32	19	13.05	1.65	37	1.044	18	12.89	1.28	36	1.567	20	13.20	1.82	38	.696	18	12.11	1.32	36	3.355
4	19	13.42	1.43	19	13.79	2.18	36	.617	19	13.27	2.11	36	.090	18	13.50	1.39	35	.171	20	13.40	3.35	37	.023
5	20	14.15	1.58	20	13.60	1.76	38	1.016	19	13.68	1.70	37	.865	20	13.35	1.87	38	1.429	20	12.85	1.46	38	2.325
6	20	13.35	1.53	20	13.75	1.12	38	.943	18	13.67	2.38	36	.493	18	13.17	1.72	36	.347	20	13.45	1.67	38	.187
7	20	12.15	2.06	20	12.65	1.57	38	.865	19	11.58	1.57	37	.969	19	12.16	1.26	37	.014	20	11.75	1.02	38	.779
8	20	12.65	1.23	20	12.50	1.54	38	.341	18	14.00	2.00	36	2.537	19	13.32	2.00	37	1.260	19	12.63	1.30	37	.026
											MULTIPLE TREATMENT												
1	20	13.00	1.59	19	13.68	1.42	37	1.417	17	12.35	1.27	35	1.350	10	13.10	1.45	28	.167					
2	20	14.10	3.21	20	13.25	1.80	38	1.032	19	13.79	1.96	37	.362	12	12.33	1.87	30	1.731					
3	20	13.55	1.32	20	12.60	1.27	38	2.319	18	12.72	1.27	36	1.964	17	13.35	1.50	35	.426					
4	19	13.42	1.43	20	13.20	2.57	37	.330	20	13.35	1.35	37	.160	15	13.53	2.07	32	.187					
5	20	14.15	1.66	20	13.55	1.23	38	1.296	20	13.45	1.50	38	1.396	15	14.00	1.13	33	.300					
6	20	13.35	1.53	19	13.37	2.79	37	.026	20	12.55	1.50	38	1.667	18	13.61	1.97	36	.458					
7	20	12.15	2.06	20	12.90	1.33	38	1.367	20	12.65	1.09	38	.960	18	13.17	1.62	36	1.679					