TABLE 4

INDIVIDUAL HISTOPATHOLOGY FINDINGS - 90-DAY SUBCHRONIC TOXICITY STUDY - DOXYLAMINE

MICE

CONTROL - TREATMENT GROUP 7

ORGAN	MALES												FEMALES											
	145	146	147	148	149	150	151	152	153	154	155	156	169	170	171	172	173	174	175	176	177	178	179	180
LUNG	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
hemorrhage								+						+		+		+				+		
KIDNEY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
cytoplasmic vacuolization						+																		
LIVER/GALL BLADDER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
vacuolated cell foci												+								+				
necrosis																					+		+	
PANCREAS	X	X	X	X	X	X	X	X	X	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X
islet cell hyperplasia																						1		
PREPUTIAL GLANDS	X	-	X	X	-	X	X	X	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-
ectasia			+	+				+																

TABLE 4

INDIVIDUAL HISTOPATHOLOGY FINDINGS - 90-DAY SUBCHRONIC TOXICITY STUDY - DOXYLAMINE

MICE

DOSE 80 ppm - TREATMENT GROUP 8

ORGAN	MALES												FEMALES											
	253	254	255	256	257	258	259	260	261	262	263	264	277	278	279	280	281	282	283	284	285	286	287	288
LIVER/GALL BLADDER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
karyomegaly	+																							
cytomegaly	2		2				2	2																
necrosis	2								+	4A	+		+		+							+		
lymphocytic accumulation																				+				
cytoplasmic vacuolization		+	+	+	+		+	+														+		
acute inflammation									+															
chronic inflammation									+															
calcification									+		+													
granulomatous inflammation											+													

TABLE 4

INDIVIDUAL HISTOPATHOLOGY FINDINGS - 90-DAY SUBCHRONIC TOXICITY STUDY - DOXYLAMINE

MICE

DOSE 162 ppm - TREATMENT GROUP 9

ORGAN	MALES												FEMALES											
	217	218	219	220	221	222	223	224	225	226	227	228	265	266	267	268	269	270	271	272	273	274	275	276
LIVER/GALL BLADDER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
vacuolated cell foci									+															
karyomegaly	+						+	+		+	+	+					+							
cytomegaly	2	2			2	2	2	2		2	2	2					2							
necrosis														+	+				+					
cytoplasmic vacuolization		+	+	+	+	+		+	+	+	+				+			+			+	+	+	+

TABLE 4

INDIVIDUAL HISTOPATHOLOGY FINDINGS - 90-DAY SUBCHRONIC TOXICITY STUDY - DOXYLAMINE

MICE

DOSE 325 ppm - TREATMENT GROUP 10

ORGAN	MALES												FEMALES											
	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252
LIVER/GALL BLADDER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
karyomegaly	+	+	+	+	+					+		+	+	+							+			+
cytomegaly	3	3	3	3	3		3	3	3	3	3	3	2	2				3	3		2			2
nuclear inclusion				+																				
necrosis	2						2	2																
acute inflammation, chronic																			+	+				
cytoplasmic vacuolization		+							+	+	+	+			+								+	
lymphocytic accumulation							+																	
pigmentation								+																

TABLE 4

INDIVIDUAL HISTOPATHOLOGY FINDINGS - 90-DAY SUBCHRONIC TOXICITY STUDY - DOXYLAMINE

MICE

DOSE 750 ppm - TREATMENT GROUP 11

ORGAN	MALES												FEMALES											
	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204
LIVER/GALL BLADDER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
karyolmegaly	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
cytomegaly	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2	2			
nuclear inclusion				+			+	+																
necrosis			4*	2						2							4**	2	4**	2				
acute inflammation, chronic																							+	
cytoplasmic vacuolization	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+			+	+	+		+
PREPUTIAL GLAND	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ectasia					+																			

* Hepatic cell necrosis, lobular size
** Hepatic cell necrosis, 1/4-1/2 lobular size

TABLE 4

INDIVIDUAL HISTOPATHOLOGY FINDINGS - 90-DAY SUBCHRONIC TOXICITY STUDY - DOXYLAMINE

MICE

DOSE 1,500 ppm - TREATMENT GROUP 12

ORGAN	MALES												FEMALES											
	157	158	159	160	161	162	163	164	165	166	167	168	205	206	207	208	209	210	211	212	213	214	215	216
LUNG	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
hemorrhage				+																				
chronic inflammation																								+
LIVER/GALL BLADDER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
acidic cell foci															+	+								
karyolmegaly	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+	+	+	+	+	+	+	+
cytoplasmic alteration(cytomegaly)								4																
cytomegaly	4	4		4	4	4	4		4		4	4	4	4		4	4	4	4	4	4	4	4	4
cytoplasmic inclusion															+									
necrosis	2	2	2	4***	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2
KIDNEY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	0	X	X	X
tubular dilatation							+																	
SPLEEN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
lymphoid hyperplasia	+																				+		+	+
erythropoiesis									+															
PANCREAS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PAROTID GLAND	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
necrosis						+																	+	
PREPUTIAL GLAND	0	X	X	X	0	0	0	X	0	X	0	0	-	-	-	-	-	-	-	-	-	-	-	-
ectasia		+	+					+		+														

4*** = large zonal necrosis

AVERAGE DAILY DOSE (MG/KG) BY TREATMENT GROUP FOR DOSED FEED STUDY
DOXYLAMINE

REPORT: ETSPT10
DATE: 09/22/82
TIME: 13:57:29

NTP
EXPERIMENT: 05010 TEST: 02

TEST TYPE: SUBCHRON 90 DAY
PI: [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469216
CONC:

TMT	PREP_ID	CMP_PCT	TEXT	TMT_CODE
1	1	0.000000	CONTROL AW	1
2	2	0.000162	162 PPM GR	2
3	3	0.000405	405 PPM CI	3
4	4	0.001012	1012 PPM CX	4
5	5	0.002530	2530 PPM DZ	5
6	6	0.006325	6325 PPM GF	6
7	7	0.000000	CONTROL AW	7
8	8	0.000080	80 PPM GG	8
9	9	0.000162	162 PPM GR	9
10	10	0.000325	325 PPM DN	A
11	11	0.000750	750 PPM DQ	B
12	12	0.001500	1500 PPM DU	C

AVERAGE DAILY DOSE (MG/KG) BY TREATMENT GROUP FOR DOSED FEED STUDY

NTP
OXYLAMINE

EXPERIMENT: 05010 TEST: 02

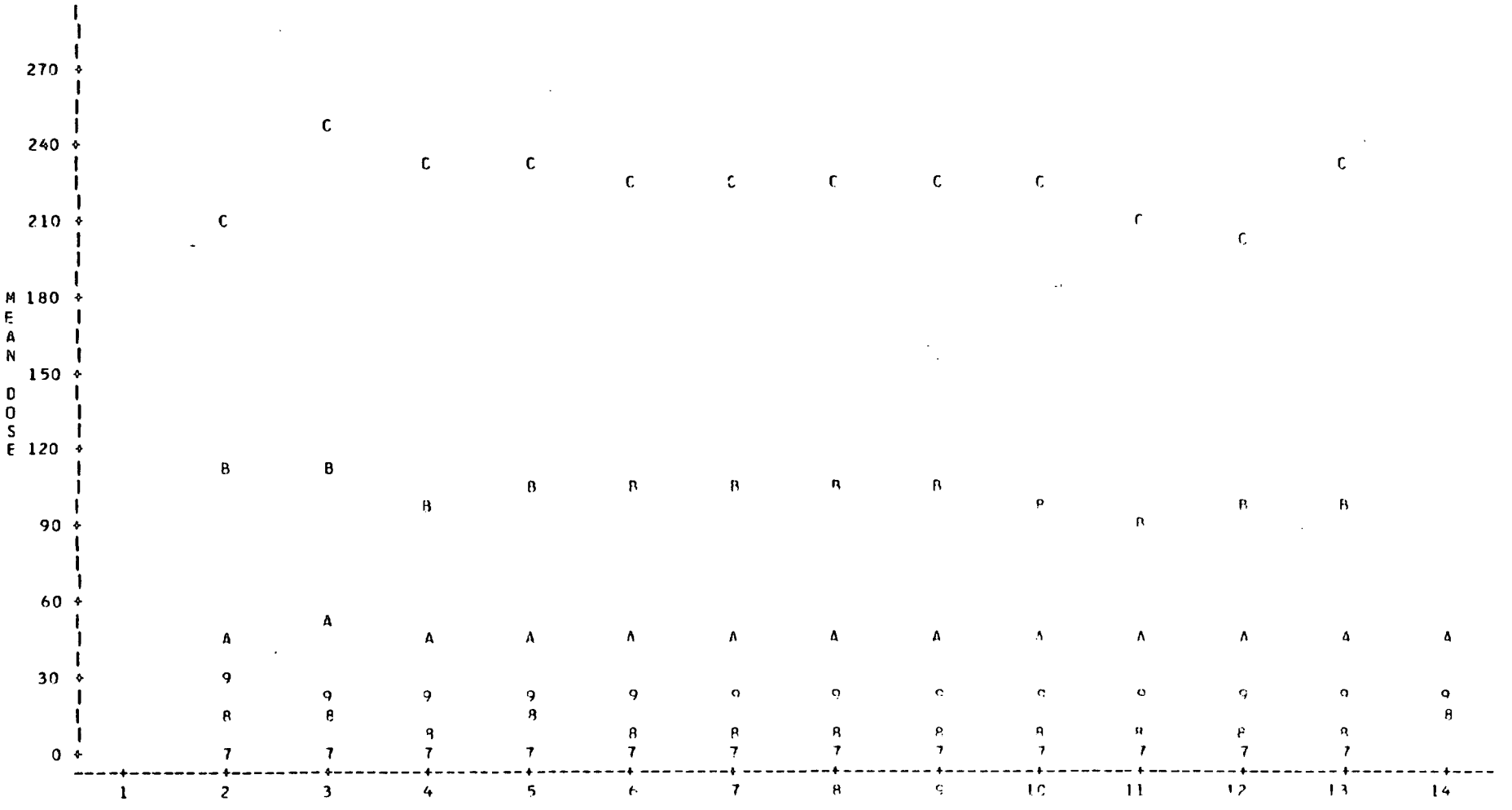
TEST TYPE: SUBCHRON 90-DAY ROUTE: ORAL FOOD

REPORT: DISPTD
DATE: 09/22/82
TIME: 13:57:29

NTP: 10195F
CAS: 000469216
CONT:

SPECIES=MICE SEX=M

PLOT OF MN_DOSE*WEEK SYMBOL IS VALUE OF TMT_CODE



NOTE: 6 OBS HAD MISSING VALUES

AVERAGE DAILY DOSE (MG/KG) BY TREATMENT GROUP FOR DOSED FEED STUDY
DOXYLAMINE

NTP
EXPERIMENT: 05010 TEST: 02

TEST TYPE: SUBCHRON 90-DAY [redacted]

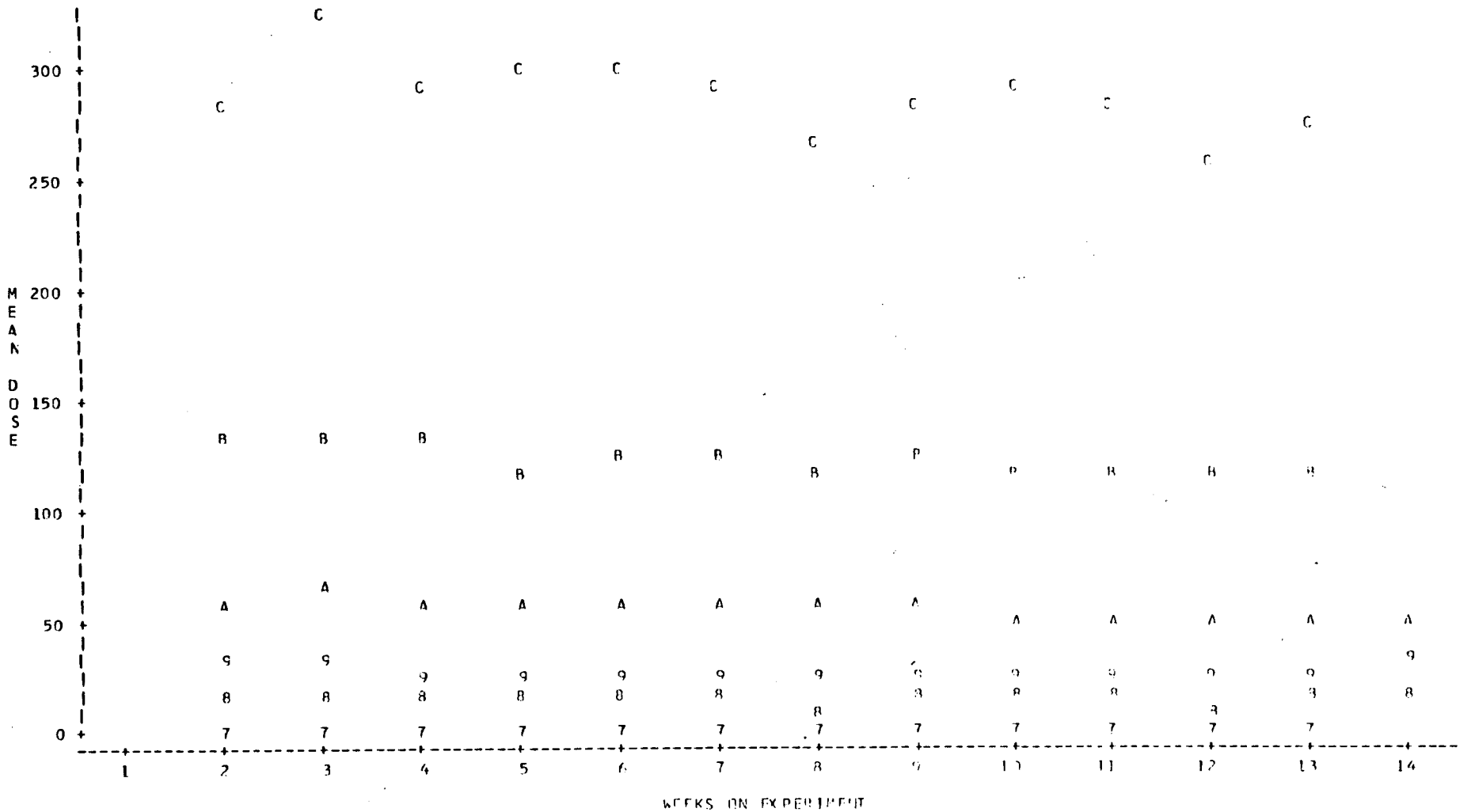
ROUTE: ORAL FOOD

REPORT: E1SRPT10
DATE: 09/22/82
TIME: 13:57:29

NTP: 10195F
CAS: 000469216
CONT:

SPECIES=MICE SEX=F

PLOT OF MN_DOSE*WEEK SYMBOL IS VALUE OF TMT_CODE



NOTE: 6 OBS HAD MISSING VALUES

STATISTICAL METHODS

Mean organ to pathology receiving weight ratios and organ to brain weight ratios of each dose group were compared to the control by a test procedure developed by D.A. Williams (1971, 1972). This test procedure assumes that the mean response is a monotonic function of dose. It is used to determine the lowest effective dose at which there is evidence of an effect. A two-tailed test was performed for each sex at the .05 and .01 significance level.

Mean terminal sacrifice weights were adjusted for differences between first dosing body weights by analysis of covariance. The differences between first dosing body weights are eliminated by adjusting the terminal sacrifice means by regression whether the estimates are obtained as if the treatment groups all had the same first dosing weight. The dose group adjusted means were each compared to the control adjusted mean for each sex by a two-tailed t test. The significance level was set at .01 rather than .05 to control for the number of comparisons being made.

The analysis of aspartate aminotransferase and alanine aminotransferase was complicated by the structure in which the samples were collected. All animals in a given dose group were measured on one day. This does not allow the dose, day, or dose-by-day interaction effects to be measured, which from past history have been known to exist. A one-way analysis of variance was performed where each dose and day combination was a level of a factor called day-dose. A significant day-dose effect does not tell whether it is a measure of differences between days or differences between sexes.

Possible outliers were detected by Dixon's Gap Test at the .01 significance level. The detected observations that were declared erroneous by the PI are given in Table 12.

Williams, D.A. (1971). A test for differences between treatment means when several dose levels are compared with a zero dose control. Biometrics, 27, 103-117.

Williams, D.A. (1972). The comparison of several dose levels with a zero dose control. Biometrics 28, 519-531.

CHANGES MADE DUE TO OUTLIER DETECTION

CID	
37600256	Lung set to missing
37600261	R. Kidney set to missing
37600224	R. Testis set to missing
37600229	No organs weighed - observation deleted
37600230	No organs weighed - observation deleted
37600231	No organs weighed - observation deleted
37600232	No organs weighed - observation deleted
37600233	No organs weighed - observation deleted
37600234	No organs weighed - observation deleted
37600238	No organs weighed - observation deleted

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
DOSE	6	0 80 162 325 750 1500

NUMBER OF OBSERVATIONS IN BY GROUP = 72

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: TERM_WGT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	6	321.21739558	53.53623093	45.79	0.0001	0.808687	4.5312
ERROR	65	75.99136442	1.16909791		STD DEV		TERM_WGT MEAN
CORRECTED TOTAL	71	397.20875000			1.08124431		23.86250000

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
DOSE	5	165.50291567	28.31	0.0001	5	99.63699625	17.05	0.0001
DOSE*GT	1	155.71446891	133.19	0.0001	1	155.71446891	133.19	0.0001

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

DOSE	TERM_WGT LSMEAN	STD ERR OF LSMEAN	PROB > |T| HO: LSMEAN=0	PROB > |T| HO: LSMEAN(I)=LSMEAN(J)
4	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

DOSE	TERMINAL WT LSMEAN	STD ERR LSMEAN	PROB > |T| HO:LSMEAN=0	PROB > |T| HO: LSMEAN(I)=LSMEAN(J) I/J	1	2	3	4	5	6
0	24.3403897	0.3121491	0.0001	1	.	0.0139	0.2402	0.0083	0.0145	0.0001
50	25.5175751	0.3130307	0.0001	2	0.0139	.	0.1683	0.0001	0.0001	0.0001
162	24.3733443	0.3208009	0.0001	3	0.2402	0.1683	.	0.0004	0.0005	0.0001
525	23.1834212	0.3151230	0.0001	4	0.0083	0.0001	0.0004	.	0.8464	0.0066
750	23.0713919	0.3170978	0.0001	5	0.0145	0.0001	0.0005	0.8464	.	0.0049
1500	21.9439377	0.3177325	0.0001	6	0.0001	0.0001	0.0001	0.0066	0.0049	.

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS LEVELS VALUES

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
DOSE	6	0 30 162 325 750 1500

NUMBER OF OBSERVATIONS IN BY GROUP = 72

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: TERM_WGT

[redacted]

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: TERM_WGT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	6	375.90894261	62.65149042	55.00	0.0001	0.835441	3.[illegible]
ERROR	65	74.04383527	1.13913593		STD DEV		TERM_WGT [illegible]
CORRECTED TOTAL	71	449.95277778			1.06730311		29.[illegible]

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
DOSE	5	341.90111111	60.03	0.0001	5	328.93819091	57.76	0.0001
BODYWGT	1	34.00783140	29.85	0.0001	1	34.00783140	29.85	0.0001

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

DOSE	TERM_WGT LSMEAN	STD ERR LSMEAN	PROB > |T| HO: LSMEAN=0	PROB > |T| HO: LSMEAN(I)=LSMEAN(J)

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

DOSE	TRANSFORMED LSMEAN	STD ERR LSMEAN	PROB > |T| HO:LSMEAN=0	PROB > |T| HO: LSMEAN(I)=LSMEAN(J) I/J	1	2	3	4	5	6
0	31.1645553	0.3105985	0.0001	1	.	0.0001	0.0001	0.0001	0.0001	0.0001
80	33.4295402	0.3070042	0.0001	2	0.0001	.	0.0001	0.0001	0.0001	0.0001
162	24.7777816	0.3085884	0.0001	3	0.0001	0.0001	.	0.0005	0.0001	0.0001
325	28.3873736	0.3081049	0.0001	4	0.0001	0.0001	0.0005	.	0.0515	0.4773
750	29.2500689	0.3127022	0.0001	5	0.0001	0.0001	0.0001	0.0515	.	0.2107
1500	28.6992472	0.3086334	0.0001	6	0.0001	0.0001	0.0001	0.4773	0.2107	.

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS LEVELS VALUES

DOSE #FEED	CAGE NO	ANIMAL ID	WEEKS ON TEST 1	2	3	4	5	6	7	8	9	10	11	12	13	14	D *
0																	
	55	B	23.2	24.9	24.9	25.0	26.0	25.3	27.0	26.8	27.5	29.6	29.4	29.9	30.9		
	55	L	21.2	22.7	23.5	24.8	26.2	25.6	27.1	27.7	28.3	29.5	29.2	29.6	30.0		
	55	N	20.1	23.1	23.9	24.2	25.7	26.1	27.8	28.4	28.7	29.4	29.0	29.7	30.8		
	55	R	19.1	20.1	20.8	22.6	23.5	22.9	25.1	26.0	26.7	27.0	27.0	27.6	28.1		
	56	B	23.3	24.9	26.0	25.4	27.5	26.5	28.4	29.7	29.4	29.8	28.7	29.3	30.1		
	56	L	21.4	23.2	24.2	25.0	26.2	25.1	27.8	28.7	28.7	29.5	29.4	31.4	30.4		
	56	N	22.1	24.3	25.8	26.2	28.7	27.6	29.4	30.8	30.1	31.0	29.8	31.3	31.6		
	56	R	22.7	24.4	25.4	26.6	28.9	27.5	29.5	31.3	30.8	32.3	30.5	31.6	32.1		
	57	B	20.4	21.1	23.3	25.6	26.4	25.4	26.8	28.6	28.6	28.5	29.1	30.3	31.2		
	57	L	19.9	21.4	23.0	24.6	24.7	24.4	26.3	27.5	27.8	27.4	28.3	29.1	29.1		
	57	N	21.5	23.1	23.1	25.1	25.3	24.0	25.7	27.4	27.5	26.7	26.7	28.7	29.6		
	57	R	21.7	22.7	23.8	25.5	26.4	25.0	26.0	27.5	27.3	27.5	27.9	28.6	29.3		
		AVG	21.3	23.0	24.0	25.0	26.3	25.4	27.2	28.4	28.4	29.0	28.7	29.8	30.3	.	0.0

* D = PERCENT WEIGHT GAIN RELATIVE TO CONTROLS

BLANK = MISSING DATA

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

NTP
EXPERIMENT: 05010 TEST: 02

TEST TYPE: SUBCHRON 90-DAY

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 00046921[illegible]
CONT:

SPECIES: MICE SEX: MALE

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

REPORT: PIEVAL) 14
DATE: 03/03/83
TIME: 16:20:52

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: MALE

DOSE (FEED)	CAGE NO	ANIMAL ID	WEEKS ON TEST 1	2	3	4	5	6	7	8	9	10	11	12	13	14	D *
0.008																	
	61	B	23.7	23.5	24.5	24.4	25.4	26.6	28.0	28.4	31.3	32.3	30.9	30.6	32.2	33.4	
	61	L	21.1	22.2	23.2	23.2	24.3	24.8	26.3	26.8	29.5	28.4	28.1	26.3	28.0	31.5	
	61	N	24.3	25.1	25.0	24.9	26.1	27.1	29.1	30.2	31.8	32.2	32.1	31.6	32.9	34.9	
	61	R	21.5	22.1	22.8	23.2	24.6	25.4	26.4	27.7	29.3	28.4	28.6	28.8	29.3	30.4	
	62	B	23.6	23.3	23.9	23.7	24.6	25.4	27.5	27.7	28.8	28.6	29.6	29.3	29.6	32.2	
	62	L	24.4	25.3	26.6	26.1	27.0	27.7	29.1	28.8	30.9	30.1	31.1	32.1	32.6	34.3	
	62	N	24.4	23.9	24.2	23.0	23.5	24.2	25.0	26.1	27.2	26.7	26.7	27.2	28.2	30.5	
	62	R	23.0	24.3	24.8	24.5	25.8	26.1	28.6	27.8	29.5	28.1	29.4	29.5	29.1	32.1	
	63	B	23.7	23.5	24.2	24.6	25.8	25.8	28.5	27.5	28.3	30.1	30.0	28.2	30.4	31.7	
	63	L	24.0	24.8	25.0	25.7	26.7	26.1	27.5	27.5	28.0	29.8	30.6	28.5	29.7	31.0	
	63	N	22.3	22.8	23.8	24.9	25.4	26.3	28.6	27.8	28.2	29.5	29.7	29.4	30.5	31.7	
	63	R	23.0	23.1	23.8	24.9	26.3	25.6	27.3	27.5	28.4	29.5	29.3	28.9	29.9	30.9	
		AVG	23.2	23.7	24.3	24.4	25.5	25.9	27.7	27.8	29.2	29.5	29.5	29.1	30.2	32.1	-1.9

* D = PERCENT WEIGHT GAIN RELATIVE TO CONTROLS

BLANK = MISSING DATA

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

REPORT: PIEVAL) 15
DATE: 03/03/83
TIME: 16:20:52

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: MALE

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

REPORT: PIEVAL 15
DATE: 03/03/83
TIME: 16:20:52

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: MALE

DOSE G/KG	CAGE NO	ANIMAL ID	WEEKS ON TEST 1	2	3	4	5	6	7	8	9	10	11	12	13	14	D *
0.0162																	
	49	B	22.5	23.4	23.1	23.6	24.0	24.0	23.0	24.0	25.4	25.9	25.6	25.0	26.0	25.5	
	49	L	22.8	23.9	24.5	25.0	26.1	25.4	25.4	25.8	28.6	29.2	28.4	27.7	29.0	28.7	
	49	N	22.3	24.2	24.3	25.4	27.0	26.0	25.7	27.0	29.0	29.9	29.8	28.9	30.7	29.0	
	49	R	17.7	19.4	21.2	21.7	22.8	23.0	23.4	24.3	24.9	26.1	25.0	25.6	26.2	25.4	
	50	B	25.1	26.0	26.3	26.5	26.8	27.3	26.0	27.3	28.8	28.6	28.2	27.7	27.6	28.2	
	50	L	19.6	20.8	21.6	22.3	23.0	23.9	23.3	24.0	26.1	25.5	25.0	23.9	24.7	24.4	
	50	N	23.0	22.9	23.9	24.2	24.6	24.4	24.3	25.3	25.9	26.7	25.5	25.1	25.5	25.6	
	50	R	22.7	23.8	24.0	23.7	24.5	25.1	24.9	25.8	28.1	27.8	27.3	26.6	27.1	26.9	
	51	B	22.2	23.4	23.3	24.4	26.3	26.5	26.1	26.0	27.1	27.8	27.7	27.7	27.6	26.7	
	51	L	22.1	23.3	22.6	23.3	24.9	25.4	25.5	24.5	26.1	27.1	27.5	27.2	27.1	26.8	
	51	N	21.7	23.0	22.7	23.2	24.7	25.0	24.7	25.2	27.0	28.0	28.2	27.3	26.9	26.0	
	51	R	23.4	24.9	25.2	25.1	26.9	27.4	27.3	27.3	28.9	29.2	28.9	28.9	27.9	27.0	
		AVG	22.1	23.2	23.6	24.0	25.1	25.3	25.0	25.5	27.2	27.6	27.3	26.8	27.2	26.7	- 48.9

* D = PERCENT WEIGHT GAIN RELATIVE TO CONTROLS

BLANK = MISSING DATA

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

REPORT: PIEVAL 16
DATE: 03/03/83
TIME: 16:20:52

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: MALE

WEEKS ON TEST

NTP
EXPERIMENT: 05010 TEST: 02
TEST TYPE: SUBCHRON 90-DAY [redacted]

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

ROUTE: ORAL FOOD

REPORT: PIEVALC 10
DATE: 03/03/83
TIME: 16:20:52

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: MALE

DOSE/FEED	CAGE NO	ANIMAL ID	WEEKS ON TEST 1	2	3	4	5	6	7	8	9	10	11	12	13	14	D *
0.0325																	
	64	B	19.6	20.8	22.6	23.2	25.7	25.8	25.8	27.9	29.7	28.4	29.8	28.9	30.1	29.8	
	64	L	21.1	22.5	23.1	23.9	27.0	25.4	25.5	27.0	28.8	28.6	28.4	27.6	27.7	27.4	
	64	N	22.9	23.1	23.7	23.4	25.0	24.2	24.2	25.5	27.3	27.7	28.0	27.2	28.5	28.1	
	64	R	23.2	24.5	26.3	25.7	27.4	25.6	25.2	27.8	29.5	29.7	30.6	29.6	30.6	29.9	
	65	B	24.4	24.5	25.2	26.4	27.4	27.0	26.8	27.8	30.0	29.1	28.2	28.0	28.0	27.6	
	65	L	23.6	24.0	24.9	25.8	27.1	26.3	26.6	27.1	29.1	28.7	28.2	28.)	27.8	26.9	
	65	N	24.2	23.7	23.4	25.1	26.3	24.9	25.8	26.3	27.5	27.1	27.5	26.9	27.9	27.2	
	65	R	21.7	22.9	23.9	25.2	26.6	26.4	26.0	26.2	28.7	28.8	28.5	27.6	27.4	27.8	
	66	B	24.8	25.2	26.0	26.4	25.3	27.8	27.7	28.4	28.9	29.0	28.4	27.1	29.1	30.0	
	66	L	22.0	23.3	24.7	25.2	23.5	25.4	26.5	26.8	29.0	28.5	27.7	25.7	27.2	28.0	
	66	N	23.4	23.3	24.6	24.5	23.1	25.3	26.9	27.0	27.8	27.4	27.5	27.6	28.2	29.0	
	66	R	22.7	23.2	24.6	25.2	24.9	27.0	27.7	27.7	28.2	28.5	28.1	27.2	28.6	29.0	
		AVG	22.8	23.4	24.4	25.0	25.8	25.9	26.2	27.1	28.7	28.5	28.4	27.6	28.4	28.4	- 37.8

* D = PERCENT WEIGHT GAIN RELATIVE TO CONTROLS

BLANK = MISSING DATA

NTP
EXPERIMENT: 05010 TEST: 02
TEST TYPE: SUBCHRON 90-DAY [redacted]

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

ROUTE: ORAL FOOD

REPORT: PIEVALC 10
DATE: 03/03/83
TIME: 16:20:52

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: MALE

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

NTP
EXPERIMENT: 05010 TEST: 02

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

REPORT: PIEVAL3 17
DATE: 03/03/83
TIME: 16:20:52

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: MALE

DOSE FEED	CAGE NO	ANIMAL ID	WEEKS ON TEST 1	2	3	4	5	6	7	8	9	10	11	12	13	14	D *
0.075																	
	52	B	23.3	24.5	25.7	26.5	28.1	26.5	27.8	27.6	28.5	30.0	29.8	29.8	30.9		
	52	L	24.7	25.6	26.6	26.9	28.4	27.2	28.4	28.0	29.3	29.9	31.0	29.3	30.9		
	52	N	21.5	22.8	23.4	24.6	26.8	25.7	26.9	26.4	27.7	28.4	28.2	28.3	29.5		
	52	R	18.3	19.9	21.0	21.6	22.8	22.8	24.1	24.0	24.8	26.0	27.1	26.5	26.7		
	53	B	23.6	26.0	25.9	26.6	25.9	26.2	27.7	28.2	29.5	29.5	29.1	27.6	29.8		
	53	L	20.8	22.8	24.5	25.4	25.5	25.4	27.4	27.4	28.3	29.6	29.1	28.5	29.1		
	53	N	23.3	25.5	25.8	27.3	26.7	26.2	27.2	27.6	28.4	29.2	28.9	28.4	29.4		
	53	R	22.0	24.1	25.2	26.7	26.6	26.8	28.7	28.9	30.0	30.9	31.6	30.6	31.0		
	54	B	23.2	23.9	24.9	25.9	27.3	25.2	27.8	28.8	30.0	30.3	30.4	29.9	30.9		
	54	L	23.6	25.1	24.9	27.3	26.7	24.6	27.5	28.2	29.8	30.1	29.7	29.1	30.1		
	54	N	21.7	24.0	24.0	24.8	24.9	23.3	26.3	27.2	28.4	29.1	28.0	27.8	29.3		
	54	R	21.8	23.5	23.7	24.6	25.2	24.2	26.6	27.0	28.1	28.7	27.9	28.2	29.5		
		AVG	22.3	24.0	24.6	25.7	26.2	25.3	27.2	27.4	28.6	29.3	29.2	28.7	29.8		- 17.2

* D = PERCENT WEIGHT GAIN RELATIVE TO CONTROLS

BLANK = MISSING DATA

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

NTP
EXPERIMENT: 05010 TEST: 02

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

REPORT: PIEVAL3 18
DATE: 03/03/83
TIME: 16:20:52

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: MALE

DOSE	CAGE	ANIMAL	WEEKS ON TEST

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

ROUTE: ORAL FOOD

REPORT: PIEVALD 13
DATE: 03/03/83
TIME: 16:20:52

NTP: 13195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: MALE

DOSE %FEED	CAGE NO	ANIMAL ID	WEEKS ON TEST 1	2	3	4	5	6	7	8	9	10	11	12	13	14	D *
0.15																	
	58	B	23.9	24.4	24.5	25.3	25.4	26.6	26.9	27.9	28.6	29.0	27.8	27.8	29.2		
	58	L	24.1	24.7	24.9	25.3	25.7	25.7	26.1	26.5	26.9	27.4	27.5	26.0	27.4		
	58	N	22.3	22.3	22.9	23.7	23.6	24.7	25.2	26.1	27.8	27.7	27.2	27.9	29.1		
	58	R	22.8	23.3	24.0	25.3	25.7	26.9	27.0	28.0	28.6	28.5	28.3	28.0	28.9		
	59	B	21.5	22.1	22.0	22.1	23.3	24.3	24.7	24.8	25.0	25.6	26.3	26.4	26.9		
	59	L	20.5	21.4	22.3	22.6	22.8	24.7	25.2	26.1	26.2	26.3	26.4	26.5	27.8		
	59	N	22.9	22.5	23.1	23.2	23.8	24.1	25.2	25.9	26.6	27.0	27.2	26.9	27.8		
	59	R	23.8	23.5	22.9	24.6	24.7	26.3	27.1	27.5	27.1	28.3	28.4	28.4	29.7		
	60	B	24.1	23.3	23.6	24.5	25.2	25.0	26.0	26.8	27.0	27.0	27.0	26.8	27.5		
	60	L	24.1	24.1	24.2	24.2	24.8	23.9	25.3	25.9	27.4	26.4	26.2	26.9	27.2		
	60	N	24.5	24.4	24.2	24.8	25.5	25.0	25.8	26.1	27.5	27.1	27.3	26.8	27.6		
	60	R	22.8	22.2	23.2	24.2	24.9	24.7	25.4	26.2	27.1	27.0	26.6	27.5	27.6		
		AVG	23.1	23.2	23.5	24.1	24.6	25.2	25.8	26.5	27.1	27.3	27.2	27.2	28.1	.	- 44.8

* D = PERCENT WEIGHT GAIN RELATIVE TO CONTROLS

BLANK = MISSING DATA

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

TEST TYPE: SUBCHRON 90-DAY

ROUTE: ORAL FOOD

REPORT: PIEVALD 13
DATE: 03/03/83
TIME: 16:20:52

NTP: 13195F
CAS: 000469216
CONT:

SPECIES: RATS SEX: MALE

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

REPORT: PIEVAL
DATE: 03/23/88
TIME: 16:20:52

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: FEMALE

DOSE #FEED	CAGE NO	ANIMAL ID	WEEKS ON TEST 1	2	3	4	5	6	7	8	9	10	11	12	13	14	D *
0																	
	76	B	16.9	18.0	17.9	19.9	19.3	19.2	20.9	21.4	21.5	22.1	23.8	23.4	23.7		
	76	L	17.5	17.9	18.0	20.0	19.5	19.1	20.6	20.9	23.9	22.0	22.3	22.8	24.0		
	76	N	15.9	16.3	17.2	19.1	19.1	18.1	20.1	20.6	20.8	20.8	20.5	22.6	22.1		
	76	R	18.0	18.8	19.1	20.4	21.2	21.3	21.8	22.2	23.2	23.2	23.7	24.3	24.3		
	77	B	17.4	18.1	18.6	19.9	21.0	22.5	21.8	23.4	23.2	23.0	23.3	23.8	24.1		
	77	L	18.2	19.7	19.3	21.0	20.4	20.6	21.8	21.9	22.7	22.4	22.5	22.9	24.0		
	77	N	15.1	15.8	16.8	17.8	19.0	19.2	19.6	20.0	20.8	21.0	22.5	21.8	22.9		
	77	R	18.2	19.2	19.0	19.7	21.1	21.0	21.3	22.2	22.2	22.1	21.9	23.9	24.1		
	78	B	17.5	18.4	19.2	21.1	22.3	21.4	23.1	22.4	24.0	23.4	24.4	23.5	24.7		
	78	L	16.9	17.4	18.4	19.3	19.7	19.8	21.1	21.2	20.8	20.7	22.2	22.0	21.8		
	78	N	17.6	18.3	19.1	20.3	22.1	21.2	22.3	22.4	23.3	23.3	23.2	23.8	25.0		
	78	R	17.0	18.1	18.3	18.8	20.7	19.9	21.0	21.2	21.7	21.3	22.0	22.9	23.2		
		AVG	17.2	18.0	18.4	19.8	20.4	20.3	21.3	21.6	22.3	22.1	22.7	23.1	23.7	.	0.0

* D = PERCENT WEIGHT GAIN RELATIVE TO CONTROLS

BLANK = MISSING DATA

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

REPORT: PIEVAL03 2
DATE: 03/03/83
TIME: 16:20:52

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: FEMALE

DOSE MFEED	CAGE NO	ANIMAL ID	WEEKS ON TEST 1	2	3	4	5	6	7	8	9	10	11	12	13	14	D *
0.008																	
	82	B	17.9	18.6	18.7	19.6	20.3	19.4	20.7	20.2	22.1	21.5	22.0	22.1	22.3	23.4	
	82	L	16.5	17.4	17.5	18.6	18.7	18.8	19.6	18.7	20.4	20.1	21.1	20.7	20.9	22.8	
	82	N	20.8	20.4	22.9	21.6	22.4	22.1	23.5	21.7	23.5	23.3	24.4	23.9	24.4	27.7	
	82	R	17.8	18.6	19.4	19.6	20.3	19.1	20.7	20.0	21.4	21.1	21.6	21.1	22.5	24.0	
	83	B	17.1	16.9	18.4	18.9	19.5	19.5	22.9	20.6	21.3	23.6	21.7	22.0	21.5	23.3	
	83	L	18.6	18.4	19.7	19.8	20.3	20.9	22.5	21.1	21.7	22.0	22.1	21.8	23.5	24.2	
	83	N	14.8	14.8	16.6	16.6	17.4	17.6	18.8	17.9	19.7	19.7	20.4	20.8	19.8	20.8	
	83	R	18.4	18.5	19.3	21.3	21.2	21.1	22.4	20.9	22.0	22.3	22.4	22.2	22.5	24.2	
	84	B	17.8	17.3	17.6	18.3	19.4	19.7	21.9	20.6	21.5	21.2	22.2	21.9	22.5	24.1	
	84	L	19.8	18.5	20.1	19.3	21.2	20.3	21.7	21.2	21.8	22.0	22.6	22.0	21.8	23.9	
	84	N	18.4	18.0	18.3	19.5	20.8	20.7	21.8	21.5	22.7	22.3	22.7	22.1	23.1	24.5	
	84	R	16.3	15.7	17.2	17.4	18.9	17.7	19.8	19.9	20.1	21.2	20.7	21.1	21.3	22.6	
		AVG	17.8	17.8	18.8	19.2	20.0	19.7	21.4	20.4	21.5	21.7	22.0	21.8	22.2	23.8	- 8.5

* D = PERCENT WEIGHT GAIN RELATIVE TO CONTROLS

BLANK = MISSING DATA

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

REPORT: PIEVAL03 3
DATE: 03/03/83
TIME: 16:20:52

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: FEMALE

[redacted]

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

REPORT: PIEVAL03 4
DATE: 03/03/83
TIME: 16:20:52

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: FEMALE

DOSE (FEED)	CAGE NO	ANIMAL ID	WEEKS ON TEST 1	2	3	4	5	6	7	8	9	10	11	12	13	14	D *
0.0162																	
	67	B	18.7	19.3	19.4	19.5	20.8	20.9	21.0	20.3	21.1	21.7	21.8	21.9	21.9	24.4	
	67	L	18.6	17.7	18.3	19.0	19.2	20.0	20.2	19.6	21.3	21.5	21.0	20.8	21.8	23.3	
	67	N	17.4	18.2	19.6	19.1	20.2	21.0	20.5	21.2	21.8	20.9	20.9	21.8	23.9		
	67	R	17.5	17.7	18.0	19.6	19.7	20.0	19.6	20.3	20.3	20.5	20.9	20.0	20.9	22.4	
	68	B	19.3	20.1	19.8	19.8	21.1	21.0	21.0	19.9	21.8	22.6	21.5	21.9	22.5	24.6	
	68	L	17.9	18.7	19.0	20.1	21.1	22.9	21.0	20.6	21.8	22.3	21.0	21.6	22.4	24.0	
	69	N	19.6	20.4	20.5	20.4	20.6	21.0	20.0	18.7	21.0	21.2	19.9	21.3	20.7	23.4	
	68	R	19.9	22.4	21.9	23.5	26.7	24.8	25.2	24.0	26.1	26.9	25.9	25.9	27.3	30.4	
	69	B	18.9	19.3	21.0	20.0	21.0	22.2	20.7	21.1	22.4	21.7	22.3	22.2	22.8	25.3	
	69	L	18.3	17.6	18.5	19.7	19.9	20.7	21.7	21.0	21.8	21.6	22.5	22.4	24.2	25.3	
	69	N	17.2	18.1	17.9	18.3	19.4	19.5	19.8	20.2	21.6	20.5	20.7	21.0	21.5	23.5	
	69	R	17.7	17.6	18.3	18.5	19.5	19.7	19.7	20.1	22.0	21.3	22.1	21.2	21.7	24.5	
		AVG	18.4	18.9	19.3	19.8	20.8	21.2	20.9	20.5	21.9	22.0	21.7	21.7	22.5	24.6	- 4.9

* D = PERCENT WEIGHT GAIN RELATIVE TO CONTROLS

BLANK = MISSING DATA

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

REPORT: PIEVAL03 4
DATE: 03/03/83
TIME: 16:20:52

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: FEMALE

DOSE (FEED) CAGE NO ANIMAL ID WEEKS ON TEST

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

ROUTE: ORAL FOOD

REPORT: PIEVAL03 S
DATE: 03/03/83
TIME: 16:21:52

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: FEMALE

DOSE %FEED	CAGE NO	ANIMAL ID	WEEKS ON TEST 1	2	3	4	5	6	7	8	9	10	11	12	13	14	D *
0.0325																	
	79	B	15.3	15.1	16.4	17.1	17.3	17.9	19.4	19.8	21.1	20.4	20.5	20.8	21.8	21.6	
	79	L	18.5	18.5	20.0	20.4	19.4	20.6	21.7	21.9	22.2	21.8	23.3	22.3	22.6	23.0	
	79	N	16.5	16.0	17.5	17.6	17.4	18.0	19.7	19.6	20.3	21.5	21.0	21.3	21.4	21.3	
	79	R	17.7	18.6	18.8	19.5	19.2	20.8	20.3	20.3	21.9	21.3	23.5	22.1	22.8	22.6	
	80	B	15.6	15.1	16.8	17.7	17.7	17.4	18.7	19.1	19.5	19.3	19.9	20.5	20.6	21.2	
	80	L	17.5	17.1	18.0	19.1	19.2	19.8	21.1	20.6	22.1	21.0	21.2	21.9	24.2	23.3	
	80	N	17.3	17.7	18.8	19.4	20.9	20.0	20.4	20.8	21.6	21.4	21.9	22.0	23.1	23.0	
	80	R	18.4	19.4	19.6	20.7	20.9	21.2	22.0	22.5	22.6	24.8	23.9	23.8	24.6	25.3	
	81	B	18.5	18.3	18.8	19.8	21.4	20.3	19.9	20.6	22.0	21.6	24.0	21.6	22.2	21.5	
	81	L	18.2	18.6	19.1	20.8	21.2	23.4	21.6	22.3	23.5	23.1	25.5	24.2	24.2	24.3	
	81	N	19.0	19.2	18.9	20.4	20.6	20.6	20.8	20.9	23.9	22.0	24.1	25.0	23.9	23.4	
	81	R	16.8	16.7	16.2	18.9	20.8	19.5	19.8	20.2	21.4	21.5	21.5	22.0	22.6	22.0	
		AVG	17.4	17.5	18.4	19.3	19.7	20.0	20.4	20.7	21.8	21.6	22.5	22.3	22.8	22.7	- 19.4

* D = PERCENT WEIGHT GAIN RELATIVE TO CONTROLS

BLANK = MISSING DATA

NTP
EXPERIMENT: 05010 TEST: 02

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

ROUTE: ORAL FOOD

REPORT: PIEVAL03 S
DATE: 03/03/83
TIME: 16:21:52

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: FEMALE

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

NTP
EXPERIMENT: 05010 TEST: 02

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

REPORT: PIEVAL03 5
DATE: 03/03/83
TIME: 16:20:52

NTP: 10195F
CAS: 000469215
CONT:

SPECIES: MICE SEX: FEMALE

DOSE %FEED	CAGE NO	ANIMAL ID	WEEKS ON TEST 1	2	3	4	5	6	7	8	9	10	11	12	13	14	D *
0.075																	
	70	B	20.2	19.6	20.8	20.8	21.5	21.3	22.7	21.7	22.7	23.0	23.4	22.6	23.9		
	70	L	15.6	15.9	15.8	16.3	16.6	16.6	17.1	17.9	18.8	18.9	19.3	19.6	19.6		
	70	N	19.5	18.9	19.5	20.2	19.3	20.4	20.6	21.8	22.7	22.6	22.8	22.0	23.5		
	70	R	23.0	23.0	23.0	24.2	23.5	25.3	25.5	25.7	27.0	25.8	27.4	27.6	29.9		
	71	B	18.8	19.5	19.2	21.6	21.2	21.3	23.7	23.1	26.8	23.9	23.6	23.9	25.5		
	71	L	18.4	17.9	18.3	19.1	19.3	19.2	20.8	21.4	21.6	22.0	21.9	22.2	22.8		
	71	N	19.2	19.2	19.2	19.8	20.4	20.4	22.0	22.0	22.4	23.2	22.9	22.4	24.3		
	71	R	17.3	17.6	17.5	17.7	18.7	18.5	19.2	19.5	20.2	20.3	20.3	20.5	21.0		
	72	B	19.5	19.2	19.5	19.8	21.3	20.1	22.0	22.1	23.3	24.2	23.9	23.4	24.0		
	72	L	17.9	18.2	19.8	20.2	21.4	20.1	22.1	22.3	25.1	23.6	26.0	25.1	24.7		
	72	N	16.3	16.9	17.8	19.2	19.2	18.5	20.6	21.2	21.8	21.3	21.3	21.8	22.2		
	72	R	18.4	18.6	20.0	20.2	21.5	20.0	21.5	21.7	23.1	22.4	25.1	23.4	23.8		
		AVG	18.7	18.7	19.2	19.9	20.3	20.1	21.5	21.7	23.0	22.6	23.2	22.9	23.8	.	- 21.5

D = PERCENT WEIGHT GAIN RELATIVE TO CONTROLS

BLANK = MISSING DATA

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

NTP
EXPERIMENT: 05010 TEST: 02

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469215
CONT:

SPECIES: MICE SEX: FEMALE

REPORT: PIEVAL03 6
DATE: 03/03/83
TIME: 16:20:52

DOSE	CAGE	ANIMAL	WEEKS ON TEST

NTP
EXPERIMENT: 05010 TEST: 02

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: MICE SEX: FEMALE

DOSE SPEED	CAGE NO	ANIMAL ID	WEEKS ON TEST 1	2	3	4	5	6	7	8	9	10	11	12	13	14	D *
0.15																	
	73	B	15.5	15.1	15.3	16.0	16.1	16.4	16.9	17.9	18.9	18.3	18.7	19.0	19.4		
	73	L	21.1	21.1	21.5	21.7	22.1	22.0	23.0	23.1	24.4	24.6	25.6	26.2	25.9		
	73	N	18.5	18.6	18.6	18.7	18.7	19.3	19.4	20.3	20.4	20.1	19.1	20.3	20.8		
	73	R	18.2	17.7	17.8	18.6	18.3	18.3	18.9	20.1	20.3	20.2	19.5	20.3	20.8		
	74	B	14.8	14.0	15.3	16.4	16.6	17.3	18.0	18.2	18.9	18.5	18.7	19.3	19.0		
	74	L	17.4	17.6	17.3	18.4	18.7	19.0	19.9	20.1	20.3	20.5	19.8	20.8	21.6		
	74	N	14.9	14.8	14.8	16.6	16.4	17.2	17.1	16.4	18.1	18.2	18.3	18.6	19.0		
	74	R	17.0	17.3	17.1	17.8	17.6	18.1	19.0	19.0	19.2	19.7	19.3	20.4	20.5		
	75	B	15.9	16.3	16.3	17.5	17.7	17.9	18.2	18.8	19.2	19.7	19.2	19.0	20.0		
	75	L	18.5	19.7	19.5	20.0	20.7	19.9	20.7	21.0	22.0	21.7	22.0	21.8	22.8		
	75	N	16.7	17.4	17.4	18.3	18.7	19.2	19.3	19.6	20.4	19.2	20.1	20.2	20.4		
	75	R	17.1	18.4	18.5	20.1	19.5	20.3	20.1	20.7	21.4	21.1	22.1	21.8	21.9		
		AVG	17.1	17.3	17.4	18.3	18.4	18.7	19.2	19.6	20.3	20.1	20.2	20.6	21.0	.	- 40.0

* D = PERCENT WEIGHT GAIN RELATIVE TO CONTROLS

BLANK = MISSING DATA

INDIVIDUAL BODY WEIGHT TABLE (GRAMS)
DOXYLAMINE

NTP
EXPERIMENT: 05010 TEST: 02

TEST TYPE: SUBCHRON 90-DAY [redacted]

ROUTE: ORAL FOOD

NTP: 10195F
CAS: 000469216
CONT:

SPECIES: RATS SEX: FEMALE

[redacted]

TWO-TAILED P VALUES FOR LOWEST EFFECTIVE DOSE BY WILLIAMS TEST
LOXYLAMINE

		RATS EXP 376				MICE EXP 376			
		ORGAN / BODY		ORGAN / BRAIN		ORGAN / BODY		ORGAN / BRAIN	
	P VALUES	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
BRAIN	.01<P≤.05	6325 P	1012 P	N/A	N/A	162 P	1500 P	N/A	N/A
	P≤.01	6325 P	1012 P	N/A	N/A	162 P	NS	N/A	N/A
HEART	.01<P≤.05	6325 P	NS	6325 N	2530 N	NS	NS	NS	NS
	P≤.01	NS	NS	6325 N	2530 N	NS	NS	NS	NS
LIVER	.01<P≤.05	405 P	405 P	162 P	2530 P	80 P	162 P	750 P	162 P
	P≤.01	405 P	2530 P	405 P	2530 P	162 P	162 P	750 P	162 P
LUNG	.01<P≤.05	6325 P	NS	NS	6325 N	162 P	NS	NS	1500 N
	P≤.01	6325 P	NS	NS	NS	1500 P	NS	NS	NS
OVARY	.01<P≤.05	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	P≤.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
R. KIDNEY	.01<P≤.05	2530 P	405 P	6325 N	NS	NS	1500 N	1500 N	1500 N
	P≤.01	2530 P	405 P	6325 N	NS	NS	1500 N	1500 N	1500 N
R. TESTIS	.01<P≤.05	6325 P	N/A	NS	N/A	162 P	N/A	NS	N/A
	P≤.01	6325 P	N/A	NS	N/A	NS	N/A	NS	N/A
THYMUS	.01<P≤.05	NS	2530 N	6325 N	1012 N	1500 P	NS	1500 P	NS
	P≤.01	NS	NS	6325 N	2530 N	NS	NS	NS	NS
SPLEEN	.01<P≤.05	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	P≤.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

N = LOWEST EFFECTIVE DOSE IN A NEGATIVE DIRECTION AT SPECIFIED P VALUE
P = LOWEST EFFECTIVE DOSE IN A POSITIVE DIRECTION AT SPECIFIED P VALUE
NS = NO SIGNIFICANT EVIDENCE OF DOSE EFFECTIVENESS AT SPECIFIED P VALUE
N/A = NOT APPLICABLE

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 0 PPM

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600169	0.492	(.)	(.)	(.)	(.)	(.)	1.061 (2.1565)	(.)	(.)	0.168 (34.1463)
37600170	0.474	(.)	(.)	(.)	(.)	(.)	0.932 (1.9662)	(.)	(.)	0.166 (35.0211)
37600171	0.458	(.)	(.)	(.)	(.)	(.)	1.023 (2.2445)	(.)	(.)	0.156 (34.0611)
37600172	0.511	(.)	(.)	(.)	(.)	(.)	1.019 (1.9941)	(.)	(.)	0.175 (34.2466)
37600173	0.462	(.)	(.)	(.)	(.)	(.)	0.93 (2.1212)	(.)	(.)	0.169 (36.5801)
37600174	0.424	(.)	(.)	(.)	(.)	(.)	0.985 (2.3231)	(.)	(.)	0.163 (38.6226)
37600175	0.492	(.)	(.)	(.)	(.)	(.)	1.051 (2.1362)	(.)	(.)	0.194 (39.4309)
37600176	0.528	(.)	(.)	(.)	(.)	(.)	1.044 (1.9773)	(.)	(.)	0.176 (33.3333)
37600177	0.493	(.)	(.)	(.)	(.)	(.)	1.08 (2.1907)	(.)	(.)	0.17 (34.4828)
37600178	0.472	(.)	(.)	(.)	(.)	(.)	0.956 (2.0254)	(.)	(.)	0.174 (36.8644)
37600179	0.476	(.)	(.)	(.)	(.)	(.)	0.873 (1.8340)	(.)	(.)	0.16 (33.6134)
37600180	0.484	(.)	(.)	(.)	(.)	(.)	0.908 (1.8760)	(.)	(.)	0.161 (33.2645)

* THE RATIOS FOR THIS ORGAN WERE CALCULATED AS FOLLOWS
ORGAN DIVIDED BY BRAIN WEIGHT
ALL OTHERS CALCULATED AS FOLLOWS:
100 * ORGAN DIVIDED BY BRAIN WEIGHT

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 0 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
[redacted]	0.4[redacted]	[redacted]	[redacted]15	[redacted].154	0.[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 0 PPM

CIT	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600169	0.492	. (.)	0.215 (43.6992)	0.154 (31.3008)	0.057 (11.5854)	. (.)	. (.)	. (.)	. (.)	. (.)
37600170	0.474	. (.)	0.214 (45.1477)	0.177 (37.3418)	0.027 (5.6962)	. (.)	. (.)	. (.)	. (.)	. (.)
37600171	0.468	. (.)	0.196 (42.7941)	0.125 (27.2926)	0.033 (7.2052)	. (.)	. (.)	. (.)	. (.)	. (.)
37600172	0.511	. (.)	0.194 (37.9648)	0.133 (26.0274)	0.045 (8.8063)	. (.)	. (.)	. (.)	. (.)	. (.)
37600173	0.462	. (.)	0.2 (43.2900)	0.124 (26.8398)	0.033 (7.1429)	. (.)	. (.)	. (.)	. (.)	. (.)
37600174	0.424	. (.)	0.239 (56.3679)	0.108 (25.4717)	0.038 (8.9623)	. (.)	. (.)	. (.)	. (.)	. (.)
37600175	0.492	. (.)	0.205 (41.6667)	0.13 (26.4228)	0.043 (8.7398)	. (.)	. (.)	. (.)	. (.)	. (.)
37600176	0.528	. (.)	0.225 (42.6136)	0.164 (31.0606)	0.042 (7.9546)	. (.)	. (.)	. (.)	. (.)	. (.)
37600177	0.493	. (.)	0.213 (43.2049)	0.132 (26.7748)	0.05 (10.1420)	. (.)	. (.)	. (.)	. (.)	. (.)
37600178	0.472	. (.)	0.246 (52.1186)	0.158 (33.4746)	0.045 (9.5339)	. (.)	. (.)	. (.)	. (.)	. (.)
37600179	0.476	. (.)	0.181 (38.0252)	0.124 (26.0504)	0.033 (6.9328)	. (.)	. (.)	. (.)	. (.)	. (.)
37600180	0.464	. (.)	0.237 (48.9669)	0.109 (22.5207)	0.031 (6.4050)	. (.)	. (.)	. (.)	. (.)	. (.)

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100 * ORGAN DIVIDED BY BRAIN WEIGHT

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 0 PPM

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600145	0.436	(.)	(.)	(.)	(.)	0.122 (27.9817)	1.162 (2.6651)	(.)	(.)	0.223 (51.1468)
37600146	0.435	(.)	(.)	(.)	(.)	0.073 (16.7816)	1.134 (2.6069)	(.)	(.)	0.239 (54.7126)
37600147	0.424	(.)	(.)	(.)	(.)	0.072 (16.9811)	1.147 (2.7052)	(.)	(.)	0.219 (51.6509)
37600148	0.461	(.)	(.)	(.)	(.)	0.073 (15.8351)	1.041 (2.2581)	(.)	(.)	0.177 (38.3948)
37600149	0.435	(.)	(.)	(.)	(.)	0.1 (22.9885)	1.073 (2.4667)	(.)	(.)	0.218 (50.1149)
37600150	0.477	(.)	(.)	(.)	(.)	0.129 (27.0440)	1.234 (2.5870)	(.)	(.)	0.235 (49.2662)
37600151	0.418	(.)	(.)	(.)	(.)	0.116 (27.7512)	1.119 (2.6770)	(.)	(.)	0.22 (52.6316)
37600152	0.476	(.)	(.)	(.)	(.)	0.115 (24.1597)	1.314 (2.7605)	(.)	(.)	0.247 (51.8908)
37600153	0.453	(.)	(.)	(.)	(.)	0.12 (26.4901)	1.143 (2.5232)	(.)	(.)	0.239 (52.7586)
37600154	0.416	(.)	(.)	(.)	(.)	0.113 (27.1635)	1.221 (2.9351)	(.)	(.)	0.226 (54.3269)
37600155	0.445	(.)	(.)	(.)	(.)	0.105 (23.5955)	1.061 (2.3843)	(.)	(.)	0.224 (50.3371)
37600156	0.453	(.)	(.)	(.)	(.)	0.116 (25.6071)	1.052 (2.3223)	(.)	(.)	0.237 (52.3179)

* THE RATIOS FOR THIS ORGAN WERE CALCULATED AS FOLLOWS
ORGAN DIVIDED BY BRAIN WEIGHT
ALL OTHERS CALCULATED AS FOLLOWS:
100 * ORGAN DIVIDED BY BRAIN WEIGHT

CID	BRAIN	[illegible]	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 0 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600145	0.436	. (.)	0.191 (43.8073)	0.151 (34.6330)	0.031 (7.1101)	. (.)	. (.)	. (.)	. (.)	. (.)
37600146	0.435	. (.)	0.133 (30.5747)	0.15 (34.4828)	0.015 (3.4483)	. (.)	. (.)	. (.)	. (.)	. (.)
37600147	0.424	. (.)	0.168 (39.6226)	0.161 (37.9717)	0.025 (5.8962)	. (.)	. (.)	. (.)	. (.)	. (.)
37600148	0.461	. (.)	0.158 (34.2733)	0.143 (31.0195)	0.014 (3.0369)	. (.)	. (.)	. (.)	. (.)	. (.)
37600149	0.435	. (.)	0.179 (41.1494)	0.166 (38.1609)	0.023 (5.2874)	. (.)	. (.)	. (.)	. (.)	. (.)
37600150	0.477	. (.)	0.19 (39.8323)	0.154 (32.2851)	0.033 (6.9182)	. (.)	. (.)	. (.)	. (.)	. (.)
37600151	0.418	. (.)	0.181 (43.3014)	0.16 (38.2775)	0.038 (9.0909)	. (.)	. (.)	. (.)	. (.)	. (.)
37600152	0.476	. (.)	0.23 (48.3193)	0.18 (37.8151)	0.033 (6.9328)	. (.)	. (.)	. (.)	. (.)	. (.)
37600153	0.453	. (.)	0.177 (39.0728)	0.197 (43.4879)	0.027 (5.9603)	. (.)	. (.)	. (.)	. (.)	. (.)
37600154	0.416	. (.)	0.159 (38.2212)	0.186 (44.7115)	0.031 (7.4519)	. (.)	. (.)	. (.)	. (.)	. (.)
37600155	0.445	. (.)	0.233 (52.3596)	0.23 (51.6854)	0.028 (6.2921)	. (.)	. (.)	. (.)	. (.)	. (.)
37600156	0.453	. (.)	0.211 (46.5784)	0.159 (35.0993)	0.025 (5.5188)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR THIS ORGAN WERE CALCULATED AS FOLLOWS
ORGAN DIVIDED BY BRAIN WEIGHT
ALL OTHERS CALCULATED AS FOLLOWS:
100 * ORGAN DIVIDED BY BRAIN WEIGHT

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 80 PPM

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 80 PPM

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600277	0.478	. (.)	. (.)	. (.)	. (.)	. (.)	1.243 (2.60041)	. (.)	. (.)	0.193 (40.37661)
37600278	0.479	. (.)	. (.)	. (.)	. (.)	. (.)	0.973 (2.0313)	. (.)	. (.)	0.153 (31.94151)
37600279	0.473	. (.)	. (.)	. (.)	. (.)	. (.)	0.938 (1.9831)	. (.)	. (.)	0.159 (33.61521)
37600280	0.465	. (.)	. (.)	. (.)	. (.)	. (.)	0.986 (2.1204)	. (.)	. (.)	0.18 (38.7097)
37600281	0.434	. (.)	. (.)	. (.)	. (.)	. (.)	0.85 (1.9585)	. (.)	. (.)	0.139 (32.0276)
37600282	0.418	. (.)	. (.)	. (.)	. (.)	. (.)	0.921 (2.2033)	. (.)	. (.)	0.169 (40.4306)
37600283	0.487	. (.)	. (.)	. (.)	. (.)	. (.)	0.907 (1.8624)	. (.)	. (.)	0.167 (34.2916)
37600284	0.481	. (.)	. (.)	. (.)	. (.)	. (.)	0.928 (1.9293)	. (.)	. (.)	0.166 (34.5114)
37600285	0.484	. (.)	. (.)	. (.)	. (.)	. (.)	1.048 (2.1653)	. (.)	. (.)	0.178 (36.7769)
37600286	0.462	. (.)	. (.)	. (.)	. (.)	. (.)	1.24 (2.6840)	. (.)	. (.)	0.205 (44.3723)
37600287	0.477	. (.)	. (.)	. (.)	. (.)	. (.)	1.041 (2.1824)	. (.)	. (.)	0.187 (39.2034)
37600288	0.435	. (.)	. (.)	. (.)	. (.)	. (.)	0.901 (2.0713)	. (.)	. (.)	0.143 (32.8736)

* THE RATIOS FOR THIS ORGAN WERE CALCULATED AS FOLLOWS
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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 80 PPM

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 80 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT KIDNEY	RIGHT KIDNEY
37600277	0.476	(.)	0.182 (38.0753)	0.2 (41.8410)	0.053 (11.0879)	(.)	(.)	(.)	(.)	(.)
37600278	0.479	(.)	0.179 (37.3695)	0.143 (29.8539)	0.051 (10.6472)	(.)	(.)	(.)	(.)	(.)
37600279	0.473	(.)	0.188 (39.7463)	0.141 (29.8097)	0.032 (6.7653)	(.)	(.)	(.)	(.)	(.)
37600280	0.469	(.)	0.202 (43.0704)	0.113 (24.3011)	0.045 (9.6774)	(.)	(.)	(.)	(.)	(.)
37600281	0.434	(.)	0.152 (35.0230)	0.116 (26.7281)	0.039 (8.9862)	(.)	(.)	(.)	(.)	(.)
37600282	0.418	(.)	0.211 (50.4785)	0.18 (43.0622)	0.029 (6.6986)	(.)	(.)	(.)	(.)	(.)
37600283	0.407	(.)	0.184 (37.7823)	0.136 (27.9261)	0.028 (5.7495)	(.)	(.)	(.)	(.)	(.)
37600284	0.481	(.)	0.201 (41.7879)	0.126 (26.1954)	0.029 (6.0291)	(.)	(.)	(.)	(.)	(.)
37600285	0.484	(.)	0.199 (41.1157)	0.109 (22.5207)	0.044 (9.0909)	(.)	(.)	(.)	(.)	(.)
37600286	0.462	(.)	0.182 (39.3939)	0.126 (27.2727)	0.041 (8.8745)	(.)	(.)	(.)	(.)	(.)
37600287	0.477	(.)	0.232 (48.6373)	0.161 (33.7526)	0.041 (8.5954)	(.)	(.)	(.)	(.)	(.)
37600288	0.435	(.)	0.115 (26.4368)	0.169 (38.8506)	0.044 (10.1149)	(.)	(.)	(.)	(.)	(.)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 80 PPM

CID	[illegible]	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600253	0.499	(.)	(.)	(.)	(.)	0.128 (25.6513)	1.563 (3.1323)	(.)	(.)	0.283 (56.7134)
37600254	0.503	(.)	(.)	(.)	(.)	0.115 (22.8628)	1.478 (2.9384)	(.)	(.)	0.259 (51.4911)
37600255	0.451	(.)	(.)	(.)	(.)	0.113 (25.0554)	1.331 (2.9512)	(.)	(.)	0.246 (54.5455)
37600256	0.442	(.)	(.)	(.)	(.)	0.111 (25.1131)	1.163 (2.6312)	(.)	(.)	0.196 (44.3439)
37600257	0.461	(.)	(.)	(.)	(.)	0.115 (24.9458)	1.112 (2.4121)	(.)	(.)	0.25 (54.2299)
37600258	0.46	(.)	(.)	(.)	(.)	0.124 (26.9565)	1.466 (3.1870)	(.)	(.)	0.286 (62.1739)
37600259	0.481	(.)	(.)	(.)	(.)	0.124 (25.7796)	1.508 (3.1351)	(.)	(.)	0.269 (55.9studio)
37600260	0.48	(.)	(.)	(.)	(.)	0.123 (25.6250)	1.429 (2.9771)	(.)	(.)	0.263 (54.7917)
37600261	0.444	(.)	(.)	(.)	(.)	0.128 (28.8288)	1.261 (2.8401)	(.)	(.)	(.)
37600262	0.474	(.)	(.)	(.)	(.)	0.121 (25.5274)	1.209 (2.5506)	(.)	(.)	0.234 (49.3671)
37600263	0.459	(.)	(.)	(.)	(.)	0.127 (27.6688)	1.326 (2.8889)	(.)	(.)	0.25 (54.4662)
37600264	0.508	(.)	(.)	(.)	(.)	0.127 (25.0000)	1.24 (2.4409)	(.)	(.)	0.227 (44.6850)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 80 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600253	0.499	. (.)	0.215 (43.0862)	0.169 (33.8677)	0.033 (6.6132)	. (.)	. (.)	. (.)	. (.)	. (.)
37600254	0.503	. (.)	0.242 (48.1113)	0.182 (36.1829)	0.057 (11.3320)	. (.)	. (.)	. (.)	. (.)	. (.)
37600255	0.451	. (.)	0.192 (42.5721)	0.19 (42.1286)	0.036 (7.9823)	. (.)	. (.)	. (.)	. (.)	. (.)
37600256	0.442	. (.)	. (.)	0.174 (39.3665)	0.031 (7.0136)	. (.)	. (.)	. (.)	. (.)	. (.)
37600257	0.461	. (.)	0.161 (34.9241)	0.166 (36.0087)	0.044 (9.5445)	. (.)	. (.)	. (.)	. (.)	. (.)
37600258	0.46	. (.)	0.243 (52.8261)	0.149 (32.3913)	0.032 (6.9565)	. (.)	. (.)	. (.)	. (.)	. (.)
37600259	0.431	. (.)	0.258 (53.6393)	0.192 (39.9168)	0.051 (11.6029)	. (.)	. (.)	. (.)	. (.)	. (.)
37600260	0.48	. (.)	0.198 (41.2500)	0.258 (53.7500)	0.043 (8.9583)	. (.)	. (.)	. (.)	. (.)	. (.)
37600261	0.444	. (.)	0.217 (48.8739)	0.207 (46.6216)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
37600262	0.474	. (.)	0.23 (48.5232)	0.153 (32.2785)	0.017 (3.5865)	. (.)	. (.)	. (.)	. (.)	. (.)
37600263	0.459	. (.)	0.189 (41.1765)	0.143 (31.1547)	0.014 (3.0501)	. (.)	. (.)	. (.)	. (.)	. (.)
37600264	0.508	. (.)	0.211 (41.5354)	0.209 (41.1417)	0.035 (6.8898)	. (.)	. (.)	. (.)	. (.)	. (.)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 162 PPM

...	...RENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 162 PPM

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600265	0.46	(.)	(.)	(.)	(.)	(.)	1.14 (2.4783)	(.)	(.)	0.179 (38.9131)
37600266	0.474	(.)	(.)	(.)	(.)	(.)	1.317 (2.7785)	(.)	(.)	0.219 (46.2025)
37600267	0.477	(.)	(.)	(.)	(.)	(.)	1.349 (2.8260)	(.)	(.)	0.197 (41.2998)
37600268	0.504	(.)	(.)	(.)	(.)	(.)	1.274 (2.5278)	(.)	(.)	0.22 (43.6508)
37600269	0.492	(.)	(.)	(.)	(.)	(.)	1.218 (2.4459)	(.)	(.)	0.213 (42.7711)
37600270	0.482	(.)	(.)	(.)	(.)	(.)	1.299 (2.6950)	(.)	(.)	0.233 (48.3402)
37600271	0.492	(.)	(.)	(.)	(.)	(.)	1.254 (2.5488)	(.)	(.)	0.197 (40.0407)
37600272	0.483	(.)	(.)	(.)	(.)	(.)	1.667 (3.4513)	(.)	(.)	0.214 (44.3064)
37600273	0.472	(.)	(.)	(.)	(.)	(.)	1.425 (3.0191)	(.)	(.)	0.205 (43.4322)
37600274	0.508	(.)	(.)	(.)	(.)	(.)	1.377 (2.7048)	(.)	(.)	0.209 (34.3750)
37600275	0.459	(.)	(.)	(.)	(.)	(.)	1.38 (3.0065)	(.)	(.)	0.206 (44.8802)
37600276	0.459	(.)	(.)	(.)	(.)	(.)	1.407 (3.0654)	(.)	(.)	0.185 (40.3051)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 162 PPM.

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 162 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600265	0.46	. (.)	0.2 (43.4783)	0.114 (24.7826)	0.038 (8.2609)	. (.)	. (.)	. (.)	. (.)	. (.)
37600266	0.474	. (.)	0.226 (47.6793)	0.11 (23.2068)	0.047 (9.9156)	. (.)	. (.)	. (.)	. (.)	. (.)
37600267	0.477	. (.)	0.182 (38.1551)	0.112 (23.4801)	0.034 (7.1279)	. (.)	. (.)	. (.)	. (.)	. (.)
37600268	0.504	. (.)	0.188 (37.3016)	0.151 (29.9603)	0.036 (7.1429)	. (.)	. (.)	. (.)	. (.)	. (.)
37600269	0.498	. (.)	0.229 (45.9839)	0.129 (25.9036)	0.036 (7.2289)	. (.)	. (.)	. (.)	. (.)	. (.)
37600270	0.482	. (.)	0.216 (44.8133)	0.129 (26.7635)	0.033 (6.8465)	. (.)	. (.)	. (.)	. (.)	. (.)
37600271	0.492	. (.)	0.237 (48.1707)	0.118 (23.9837)	0.031 (6.3008)	. (.)	. (.)	. (.)	. (.)	. (.)
37600272	0.483	. (.)	0.19 (39.3375)	0.142 (29.3996)	0.043 (8.9027)	. (.)	. (.)	. (.)	. (.)	. (.)
37600273	0.472	. (.)	0.192 (40.6780)	0.13 (27.5424)	0.046 (9.7458)	. (.)	. (.)	. (.)	. (.)	. (.)
37600274	0.608	. (.)	0.167 (27.4671)	0.163 (26.8092)	0.052 (8.5526)	. (.)	. (.)	. (.)	. (.)	. (.)
37600275	0.459	. (.)	0.205 (44.6623)	0.139 (30.2832)	0.038 (8.2789)	. (.)	. (.)	. (.)	. (.)	. (.)
37600276	0.459	. (.)	0.176 (38.3442)	0.119 (25.9259)	0.035 (7.6253)	. (.)	. (.)	. (.)	. (.)	. (.)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 162 PPM

CID	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600217	0.435	(.)	(.)	(.)	(.)	0.115 (26.4368)	1.352 (3.1080)	(.)	(.)	0.259 (59.5402)
37600218	0.48	(.)	(.)	(.)	(.)	0.133 (27.7083)	1.104 (2.3000)	(.)	(.)	0.229 (47.7083)
37600219	0.489	(.)	(.)	(.)	(.)	0.119 (24.3354)	1.129 (2.3067)	(.)	(.)	0.241 (49.2843)
37600220	0.423	(.)	(.)	(.)	(.)	0.1 (23.6407)	1.027 (2.4279)	(.)	(.)	0.208 (49.1726)
37600221	0.418	(.)	(.)	(.)	(.)	0.108 (25.8373)	1.079 (2.5813)	(.)	(.)	0.24 (57.4163)
37600222	0.486	(.)	(.)	(.)	(.)	0.115 (23.6626)	1.124 (2.3128)	(.)	(.)	0.271 (55.7613)
37600223	0.438	(.)	(.)	(.)	(.)	0.096 (21.9178)	1.052 (2.4018)	(.)	(.)	0.201 (45.8904)
37600224	0.456	(.)	(.)	(.)	(.)	(.)	1.271 (2.7873)	(.)	(.)	0.229 (50.2193)
37600225	0.468	(.)	(.)	(.)	(.)	0.123 (26.2821)	1.106 (2.3632)	(.)	(.)	0.23 (49.1453)
37600226	0.462	(.)	(.)	(.)	(.)	0.122 (25.3112)	1.086 (2.2531)	(.)	(.)	0.237 (51.2448)
37600227	0.494	(.)	(.)	(.)	(.)	0.125 (25.3036)	1.132 (2.3927)	(.)	(.)	0.225 (45.5466)
37600228	0.479	(.)	(.)	(.)	(.)	0.107 (22.3382)	1.052 (2.1962)	(.)	(.)	0.22 (45.9290)

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[redacted] RIGHT [redacted] LEFT [redacted] LEFT [redacted] RIGHT [redacted]

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-12
MALE MICE FOR 162 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600217	0.435	. (.)	0.202 (46.4368)	0.141 (32.4138)	0.024 (5.5172)	. (.)	. (.)	. (.)	. (.)	. (.)
37600218	0.48	. (.)	0.321 (66.8750)	0.134 (27.9167)	0.032 (6.6667)	. (.)	. (.)	. (.)	. (.)	. (.)
37600219	0.489	. (.)	0.198 (40.4908)	0.161 (32.9243)	0.033 (6.7485)	. (.)	. (.)	. (.)	. (.)	. (.)
37600220	0.423	. (.)	0.17 (40.1891)	0.141 (33.3333)	0.027 (6.3830)	. (.)	. (.)	. (.)	. (.)	. (.)
37600221	0.418	. (.)	0.172 (41.1483)	0.142 (33.9713)	0.02 (4.7847)	. (.)	. (.)	. (.)	. (.)	. (.)
37600222	0.486	. (.)	0.219 (45.0617)	0.154 (31.6872)	0.037 (7.6132)	. (.)	. (.)	. (.)	. (.)	. (.)
37600223	[illegible]	. (.)	0.192 (43.8356)	0.107 (24.4292)	0.027 (6.1644)	. (.)	. (.)	. (.)	. (.)	. (.)
37600224	0.456	. (.)	0.183 (40.1316)	0.151 (33.1140)	0.026 (5.7018)	. (.)	. (.)	. (.)	. (.)	. (.)
37600225	0.468	. (.)	0.161 (34.4017)	0.139 (29.7009)	0.02 (4.2735)	. (.)	. (.)	. (.)	. (.)	. (.)
37600226	0.482	. (.)	0.188 (39.0041)	0.151 (31.3278)	0.027 (5.6017)	. (.)	. (.)	. (.)	. (.)	. (.)
37600227	0.494	. (.)	0.227 (45.9514)	0.17 (34.4130)	0.026 (5.2632)	. (.)	. (.)	. (.)	. (.)	. (.)
37600228	0.479	. (.)	0.2 (41.7537)	0.182 (37.9958)	0.016 (3.3403)	. (.)	. (.)	. (.)	. (.)	. (.)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 325 PPM

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600241	0.454	(.)	(.)	(.)	(.)	(.)	0.907 (1.9978)	(.)	(.)	0.142 (31.2775)
37600242	0.485	(.)	(.)	(.)	(.)	(.)	1.092 (2.2515)	(.)	(.)	0.16 (32.9897)
37600243	0.492	(.)	(.)	(.)	(.)	(.)	1.027 (2.0874)	(.)	(.)	0.179 (36.3821)
37600244	0.513	(.)	(.)	(.)	(.)	(.)	1.121 (2.1852)	(.)	(.)	0.161 (31.3840)
37600245	0.489	(.)	(.)	(.)	(.)	(.)	0.966 (1.9755)	(.)	(.)	0.142 (29.0389)
37600246	0.435	(.)	(.)	(.)	(.)	(.)	0.939 (2.1586)	(.)	(.)	0.128 (29.4253)
37600247	0.465	(.)	(.)	(.)	(.)	(.)	0.947 (2.0366)	(.)	(.)	0.154 (33.1183)
37600248	0.503	(.)	(.)	(.)	(.)	(.)	1.148 (2.2823)	(.)	(.)	0.17 (33.7972)
37600249	0.498	(.)	(.)	(.)	(.)	(.)	1.059 (2.1245)	(.)	(.)	0.192 (38.5542)
37600250	0.464	(.)	(.)	(.)	(.)	(.)	1.014 (2.1853)	(.)	(.)	0.188 (40.5172)
37600251	0.459	(.)	(.)	(.)	(.)	(.)	1.122 (2.4444)	(.)	(.)	0.181 (39.4336)
37600252	0.448	(.)	(.)	(.)	(.)	(.)	0.915 (2.0424)	(.)	(.)	0.145 (32.3661)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 325 PPM

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	[illegible]	LEFT OVARY	RIGHT OVARY

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 325 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600241	0.454	. (.)	0.189 (41.6300)	0.099 (21.8062)	0.033 (7.2687)	. (.)	. (.)	. (.)	. (.)	. (.)
37600242	0.485	. (.)	0.231 (47.6289)	0.135 (27.9351)	0.038 (7.8351)	. (.)	. (.)	. (.)	. (.)	. (.)
37600243	0.492	. (.)	0.19 (38.6179)	0.145 (29.4715)	0.04 (8.1301)	. (.)	. (.)	. (.)	. (.)	. (.)
37600244	0.513	. (.)	0.217 (42.3002)	0.141 (27.4854)	0.046 (8.9669)	. (.)	. (.)	. (.)	. (.)	. (.)
37600245	0.489	. (.)	0.186 (38.0368)	0.166 (33.9468)	0.049 (10.0204)	. (.)	. (.)	. (.)	. (.)	. (.)
37600246	0.436	. (.)	0.155 (35.6322)	0.13 (29.8851)	0.033 (7.5862)	. (.)	. (.)	. (.)	. (.)	. (.)
37600247	0.465	. (.)	0.298 (61.9355)	0.123 (26.4516)	0.034 (7.3118)	. (.)	. (.)	. (.)	. (.)	. (.)
37600248	0.503	. (.)	0.236 (46.9185)	0.137 (27.2366)	0.066 (13.1213)	. (.)	. (.)	. (.)	. (.)	. (.)
37600249	0.498	. (.)	0.176 (35.3414)	0.144 (28.9157)	0.038 (7.6305)	. (.)	. (.)	. (.)	. (.)	. (.)
37600250	0.464	. (.)	0.216 (46.5517)	0.19 (40.9483)	0.04 (8.6207)	. (.)	. (.)	. (.)	. (.)	. (.)
37600251	0.459	. (.)	0.211 (45.9695)	0.166 (36.1656)	0.049 (10.6754)	. (.)	. (.)	. (.)	. (.)	. (.)
37600252	0.448	. (.)	0.168 (37.5000)	0.14 (31.2500)	0.034 (7.5893)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR THIS ORGAN WERE CALCULATED AS FOLLOWS
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ALL OTHERS CALCULATED AS FOLLOWS:
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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 325 PPM

CID	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600235	0.464	. (.)	. (.)	. (.)	. (.)	0.122 (26.2931)	1.052 (2.2672)	. (.)	. (.)	0.2 (43.1034)
37600236	0.465	. (.)	. (.)	. (.)	. (.)	0.115 (24.7312)	1.076 (2.3140)	. (.)	. (.)	0.191 (41.0753)
37600237	0.519	. (.)	. (.)	. (.)	. (.)	0.12 (23.1214)	1.394 (2.6859)	. (.)	. (.)	0.227 (43.7380)
37600239	0.49	. (.)	. (.)	. (.)	. (.)	0.135 (27.5510)	1.218 (2.4857)	. (.)	. (.)	0.214 (43.6735)
37600240	0.449	. (.)	. (.)	. (.)	. (.)	0.115 (25.6125)	1.171 (2.6080)	. (.)	. (.)	0.196 (43.6526)

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[redacted] RIGHT [redacted] LEFT [redacted] LEFT [redacted] RIGHT

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 325 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600235	0.464	. (.)	0.218 (46.9828)	0.184 (39.6552)	0.019 (4.0948)	. (.)	. (.)	. (.)	. (.)	. (.)
37600236	0.465	. (.)	0.204 (43.8710)	0.128 (27.5269)	0.019 (4.0860)	. (.)	. (.)	. (.)	. (.)	. (.)
37600237	0.519	. (.)	0.228 (43.9306)	0.161 (31.0212)	0.025 (4.8170)	. (.)	. (.)	. (.)	. (.)	. (.)
37600239	0.49	. (.)	0.212 (43.2653)	0.224 (45.7143)	0.035 (7.1429)	. (.)	. (.)	. (.)	. (.)	. (.)
37600240	0.449	. (.)	0.211 (46.9933)	0.149 (33.1849)	0.026 (5.7906)	. (.)	. (.)	. (.)	. (.)	. (.)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 750 PPM

OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 750 PPM

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600193	0.496	(.)	(.)	(.)	(.)	(.)	1.507 (3.03831)	(.)	(.)	0.218 (43.95161)
37600194	0.52	(.)	(.)	(.)	(.)	(.)	1.861 (3.57981)	(.)	(.)	0.216 (41.53851)
37600195	0.509	(.)	(.)	(.)	(.)	(.)	1.295 (2.54421)	(.)	(.)	0.154 (30.25541)
37600196	0.463	(.)	(.)	(.)	(.)	(.)	1.819 (3.92871)	(.)	(.)	0.227 (49.02811)
37600197	0.511	(.)	(.)	(.)	(.)	(.)	1.521 (2.97651)	(.)	(.)	0.162 (31.70251)
37600198	0.459	(.)	(.)	(.)	(.)	(.)	1.459 (3.17651)	(.)	(.)	0.198 (43.13731)
37600199	0.452	(.)	(.)	(.)	(.)	(.)	1.365 (3.01991)	(.)	(.)	0.173 (38.27431)
37600200	0.498	(.)	(.)	(.)	(.)	(.)	1.525 (3.06221)	(.)	(.)	0.2 (40.16061)
37600201	0.505	(.)	(.)	(.)	(.)	(.)	1.376 (2.72481)	(.)	(.)	0.167 (33.06931)
37600202	0.479	(.)	(.)	(.)	(.)	(.)	1.63 (3.40291)	(.)	(.)	0.199 (41.54491)
37600203	0.474	(.)	(.)	(.)	(.)	(.)	1.506 (3.17721)	(.)	(.)	0.188 (39.66241)
37600204	0.488	(.)	(.)	(.)	(.)	(.)	1.409 (2.88731)	(.)	(.)	0.192 (39.34431)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 750 PPM

[illegible]	[illegible]	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 750 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600193	0.496	. (.)	0.204 (41.1290)	0.116 (23.3871)	0.041 (8.2661)	. (.)	. (.)	. (.)	. (.)	. (.)
37600194	0.52	. (.)	0.218 (41.9231)	0.14 (26.9231)	0.068 (13.0769)	. (.)	. (.)	. (.)	. (.)	. (.)
37600195	0.509	. (.)	0.154 (30.2554)	0.13 (25.5403)	0.038 (7.4656)	. (.)	. (.)	. (.)	. (.)	. (.)
37600196	0.463	. (.)	0.242 (52.2678)	0.156 (33.6933)	0.033 (7.1274)	. (.)	. (.)	. (.)	. (.)	. (.)
37600197	0.511	. (.)	0.237 (46.3796)	0.14 (27.3973)	0.037 (7.2407)	. (.)	. (.)	. (.)	. (.)	. (.)
37600198	0.459	. (.)	0.231 (50.3268)	0.13 (28.3224)	0.04 (8.7146)	. (.)	. (.)	. (.)	. (.)	. (.)
[illegible]	0.452	. (.)	0.194 (42.9204)	0.114 (25.2212)	0.029 (6.4159)	. (.)	. (.)	. (.)	. (.)	. (.)
[illegible]	[illegible]	. (.)	0.202 (40.5622)	0.117 (23.4940)	0.052 (10.4418)	. (.)	. (.)	. (.)	. (.)	. (.)
37600201	[illegible]	. (.)	0.274 (54.[illegible]574)	0.138 (27.3267)	0.05 (9.9010)	. (.)	. (.)	. (.)	. (.)	. (.)
37600202	0.479	. (.)	[illegible] (47.[illegible])	0.155 (32.3591)	0.042 (8.7683)	. (.)	. (.)	. (.)	. (.)	. (.)
37600203	0.474	. (.)	[illegible] (48.[illegible])	[illegible] (31.[illegible])	0.053 (11.1814)	. (.)	. (.)	. (.)	. (.)	. (.)
37600204	0.488	. (.)	0.225 (46.1066)	[illegible] (26.4344)	[illegible]	. (.)	. (.)	. (.)	. (.)	. (.)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 750 PPM

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600181	0.445	(.)	(.)	(.)	(.)	0.11 (24.7191)	1.433 (3.2202)	(.)	(.)	0.225 (50.5618)
37600182	0.482	(.)	(.)	(.)	(.)	0.158 (32.7801)	1.528 (3.1701)	(.)	(.)	0.249 (51.6598)
37600183	0.474	(.)	(.)	(.)	(.)	0.124 (26.1603)	1.398 (2.9494)	(.)	(.)	0.274 (57.8059)
37600184	0.408	(.)	(.)	(.)	(.)	0.095 (23.2843)	1.392 (3.4118)	(.)	(.)	0.201 (49.2647)
37600185	0.454	(.)	(.)	(.)	(.)	0.116 (25.5507)	1.58 (3.4802)	(.)	(.)	0.257 (56.6079)
37600186	0.443	(.)	(.)	(.)	(.)	0.114 (23.6025)	1.795 (3.7164)	(.)	(.)	0.274 (56.7288)
37600187	0.449	(.)	(.)	(.)	(.)	0.127 (25.9714)	1.634 (3.3415)	(.)	(.)	0.236 (48.2618)
37600188	0.532	(.)	(.)	(.)	(.)	0.137 (25.7519)	1.78 (3.3459)	(.)	(.)	0.282 (53.0075)
37600189	0.493	(.)	(.)	(.)	(.)	0.116 (23.5294)	1.519 (3.0811)	(.)	(.)	0.244 (49.4929)
37600190	0.481	(.)	(.)	(.)	(.)	0.12 (24.9480)	1.551 (3.2245)	(.)	(.)	0.243 (50.5198)
37600191	0.497	(.)	(.)	(.)	(.)	0.124 (24.9497)	1.525 (3.0684)	(.)	(.)	0.245 (49.2958)
37600192	0.434	(.)	(.)	(.)	(.)	0.105 (24.1935)	1.427 (3.2880)	(.)	(.)	0.202 (46.5438)

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[redacted] RIGHT ADRENA[redacted] LEFT ADR[redacted] [redacted] LEFT [redacted] RIGHT OVARY [redacted]

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 750 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600181	0.445	. (.)	0.179 (40.2247)	0.121 (27.1910)	0.02 (4.4944)	. (.)	. (.)	. (.)	. (.)	. (.)
37600182	0.482	. (.)	0.208 (43.1535)	0.142 (29.4606)	0.038 (7.8838)	. (.)	. (.)	. (.)	. (.)	. (.)
37600183	0.474	. (.)	0.185 (39.0295)	0.16 (33.7553)	0.018 (3.7975)	. (.)	. (.)	. (.)	. (.)	. (.)
37600184	0.408	. (.)	0.259 (63.4804)	0.138 (33.8235)	0.031 (7.5931)	. (.)	. (.)	. (.)	. (.)	. (.)
37600185	0.454	. (.)	0.189 (41.6300)	0.163 (35.9031)	0.03 (6.6079)	. (.)	. (.)	. (.)	. (.)	. (.)
37600186	0.483	. (.)	0.187 (38.7164)	0.156 (32.2981)	0.038 (7.8675)	. (.)	. (.)	. (.)	. (.)	. (.)
37600187	0.489	. (.)	0.235 (48.0573)	0.144 (29.4479)	0.039 (7.9755)	. (.)	. (.)	. (.)	. (.)	. (.)
37600188	0.532	. (.)	0.281 (52.8195)	0.169 (31.7669)	0.044 (8.2707)	. (.)	. (.)	. (.)	. (.)	. (.)
37600189	0.493	. (.)	0.192 (38.9452)	0.154 (31.2373)	0.035 (7.0994)	. (.)	. (.)	. (.)	. (.)	. (.)
37600190	0.481	. (.)	0.191 (39.7089)	0.147 (30.5613)	0.03 (6.2370)	. (.)	. (.)	. (.)	. (.)	. (.)
37600191	0.497	. (.)	0.182 (36.6197)	0.168 (33.8028)	0.027 (5.4326)	. (.)	. (.)	. (.)	. (.)	. (.)
37600192	0.434	. (.)	0.183 (42.1659)	0.122 (28.1106)	0.029 (6.6820)	. (.)	. (.)	. (.)	. (.)	. (.)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 1500 PPM

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 1500 PPM

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600205	0.45	(.)	(.)	(.)	(.)	(.)	1.079 (2.3978)	(.)	(.)	0.131 (29.1111)
37600206	0.438	(.)	(.)	(.)	(.)	(.)	1.077 (2.4589)	(.)	(.)	0.112 (25.5708)
37600207	0.473	(.)	(.)	(.)	(.)	(.)	1.457 (3.0803)	(.)	(.)	0.173 (36.5751)
37600208	0.481	(.)	(.)	(.)	(.)	(.)	1.17 (2.4324)	(.)	(.)	0.126 (26.1954)
37600209	0.456	(.)	(.)	(.)	(.)	(.)	0.995 (2.1820)	(.)	(.)	0.105 (23.0263)
37600210	0.423	(.)	(.)	(.)	(.)	(.)	1.042 (2.4634)	(.)	(.)	0.118 (27.8960)
37600211	0.474	(.)	(.)	(.)	(.)	(.)	1.219 (2.5717)	(.)	(.)	0.142 (29.9578)
37600212	0.453	(.)	(.)	(.)	(.)	(.)	1.122 (2.4768)	(.)	(.)	0.13 (28.6976)
37600213	0.462	(.)	(.)	(.)	(.)	(.)	1.111 (2.4048)	(.)	(.)	0.136 (29.4372)
37600214	0.397	(.)	(.)	(.)	(.)	(.)	1.065 (2.6826)	(.)	(.)	0.123 (30.9824)
37600215	0.505	(.)	(.)	(.)	(.)	(.)	1.199 (2.3743)	(.)	(.)	0.147 (29.1089)
37600216	0.457	(.)	(.)	(.)	(.)	(.)	1.191 (2.5503)	(.)	(.)	0.154 (32.9764)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 1500 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY

ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 1500 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600205	0.45	. (.)	0.174 (38.6667)	0.105 (23.3333)	0.026 (5.7778)	. (.)	. (.)	. (.)	. (.)	. (.)
37600206	0.438	. (.)	0.12 (27.3973)	0.098 (22.3744)	0.032 (7.3059)	. (.)	. (.)	. (.)	. (.)	. (.)
37600207	0.473	. (.)	0.169 (35.6181)	0.126 (26.6385)	0.038 (8.0338)	. (.)	. (.)	. (.)	. (.)	. (.)
37600208	0.431	. (.)	0.274 (56.9647)	0.176 (36.5904)	0.043 (8.9397)	. (.)	. (.)	. (.)	. (.)	. (.)
37600209	0.456	. (.)	0.124 (27.1930)	0.1 (21.9298)	0.032 (7.0175)	. (.)	. (.)	. (.)	. (.)	. (.)
37600210	0.423	. (.)	0.133 (31.4421)	0.104 (24.5863)	0.029 (6.8558)	. (.)	. (.)	. (.)	. (.)	. (.)
37600211	0.474	. (.)	0.171 (36.0759)	0.108 (22.7848)	0.022 (4.6414)	. (.)	. (.)	. (.)	. (.)	. (.)
37600212	0.453	. (.)	0.134 (29.5806)	0.247 (54.5254)	0.036 (7.9470)	. (.)	. (.)	. (.)	. (.)	. (.)
37600213	0.442	. (.)	0.136 (29.4372)	0.13 (28.1385)	0.03 (6.4935)	. (.)	. (.)	. (.)	. (.)	. (.)
37600214	0.397	. (.)	0.152 (38.2872)	0.133 (33.5013)	0.028 (7.0529)	. (.)	. (.)	. (.)	. (.)	. (.)
37600215	0.505	. (.)	0.275 (54.4554)	0.152 (30.0990)	0.037 (7.3267)	. (.)	. (.)	. (.)	. (.)	. (.)
37600216	0.467	. (.)	0.245 (52.4625)	0.149 (31.9016)	0.032 (6.8522)	. (.)	. (.)	. (.)	. (.)	. (.)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 1500 PPM

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS			LEFT	RIGHT

CID	BRAIN	ADRENAL	OVARY	PITUITARY	LEFT TESTIS	RIGHT TESTIS	LIVER*	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600157	0.459	(.)	(.)	(.)	(.)	0.111 (24.1830)	1.586 (3.45531)	(.)	(.)	0.179 (38.9978)
37600158	0.482	(.)	(.)	(.)	(.)	0.115 (23.8589)	1.674 (3.4730)	(.)	(.)	0.181 (37.5519)
37600159	0.422	(.)	(.)	(.)	(.)	0.127 (30.0948)	1.773 (4.2014)	(.)	(.)	0.218 (51.6588)
37600160	0.505	(.)	(.)	(.)	(.)	0.121 (23.9604)	1.671 (3.3089)	(.)	(.)	0.191 (37.8218)
37600161	0.464	(.)	(.)	(.)	(.)	0.116 (25.0000)	1.339 (2.8858)	(.)	(.)	0.174 (37.5000)
37600162	0.456	(.)	(.)	(.)	(.)	0.108 (23.6842)	1.643 (3.6031)	(.)	(.)	0.202 (44.2982)
37600163	0.473	(.)	(.)	(.)	(.)	0.112 (23.6786)	1.652 (3.4926)	(.)	(.)	0.202 (42.7061)
37600164	0.475	(.)	(.)	(.)	(.)	0.12 (25.2632)	1.526 (3.2126)	(.)	(.)	0.212 (44.6316)
37600165	0.471	(.)	(.)	(.)	(.)	0.128 (27.1762)	1.507 (3.1996)	(.)	(.)	0.209 (44.3737)
37600166	0.446	(.)	(.)	(.)	(.)	0.101 (22.6457)	1.773 (3.9753)	(.)	(.)	0.206 (46.1883)
37600167	0.476	(.)	(.)	(.)	(.)	0.121 (25.4202)	1.582 (3.3235)	(.)	(.)	0.212 (44.5378)
37600168	0.463	(.)	(.)	(.)	(.)	0.106 (22.8942)	1.516 (3.2743)	(.)	(.)	0.175 (37.7970)

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ORGAN WEIGHT TO BRAIN WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 1500 PPM

CID	BRAIN	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600157	0.459	. (.)	0.144 (31.3725)	0.144 (31.3725)	0.029 (6.3181)	. (.)	. (.)	. (.)	. (.)	. (.)
37600158	0.432	. (.)	0.195 (40.4564)	0.142 (29.4606)	0.038 (7.8838)	. (.)	. (.)	. (.)	. (.)	. (.)
37600159	0.422	. (.)	0.244 (57.8199)	0.205 (48.5782)	0.016 (3.7915)	. (.)	. (.)	. (.)	. (.)	. (.)
37600160	0.505	. (.)	0.188 (37.2277)	0.213 (42.1782)	0.046 (9.1089)	. (.)	. (.)	. (.)	. (.)	. (.)
37600161	0.464	. (.)	0.215 (46.3362)	0.207 (44.6121)	0.037 (7.9741)	. (.)	. (.)	. (.)	. (.)	. (.)
37600162	0.456	. (.)	0.199 (43.6404)	0.131 (28.7281)	0.027 (5.9211)	. (.)	. (.)	. (.)	. (.)	. (.)
37600163	0.473	. (.)	0.245 (51.7972)	0.149 (31.5011)	0.045 (9.5137)	. (.)	. (.)	. (.)	. (.)	. (.)
37600164	0.475	. (.)	0.335 (70.5263)	0.158 (33.2632)	0.033 (6.9474)	. (.)	. (.)	. (.)	. (.)	. (.)
37600165	0.471	. (.)	0.227 (48.1953)	0.224 (47.5584)	0.031 (6.5817)	. (.)	. (.)	. (.)	. (.)	. (.)
37600166	0.446	. (.)	0.183 (41.0314)	0.193 (43.2735)	0.04 (8.9686)	. (.)	. (.)	. (.)	. (.)	. (.)
37600167	0.476	. (.)	0.237 (49.7899)	0.211 (44.3277)	0.036 (7.5630)	. (.)	. (.)	. (.)	. (.)	. (.)
37600168	0.463	. (.)	0.199 (42.9806)	0.118 (25.4860)	0.022 (4.7516)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR THIS ORGAN WERE CALCULATED AS FOLLOWS
ORGAN DIVIDED BY BRAIN WEIGHT
ALL OTHERS CALCULATED AS FOLLOWS:
100 * ORGAN DIVIDED BY BRAIN WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 0 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600169	20.2	. (.)	. (.)	. (.)	0.492 (24.3564)	. (.)	. (.)	1.061 (52.5248)	. (.)	. (.)	0.168 (8.3168)
37600170	21.3	. (.)	. (.)	. (.)	0.474 (22.2535)	. (.)	. (.)	0.932 (43.7559)	. (.)	. (.)	0.166 (7.7934)
37600171	21.6	. (.)	. (.)	. (.)	0.458 (21.2037)	. (.)	. (.)	1.028 (47.5926)	. (.)	. (.)	0.156 (7.2222)
37600172	22.4	. (.)	. (.)	. (.)	0.511 (22.8125)	. (.)	. (.)	1.019 (45.4911)	. (.)	. (.)	0.175 (7.8125)
37600173	20.4	. (.)	. (.)	. (.)	0.462 (22.6471)	. (.)	. (.)	0.98 (48.0392)	. (.)	. (.)	0.169 (8.2843)
37600174	22.3	. (.)	. (.)	. (.)	0.424 (19.0135)	. (.)	. (.)	0.985 (44.1704)	. (.)	. (.)	0.168 (7.5336)
37600175	21.3	. (.)	. (.)	. (.)	0.492 (23.0986)	. (.)	. (.)	1.051 (49.3427)	. (.)	. (.)	0.194 (9.1080)
37600176	21.6	. (.)	. (.)	. (.)	0.528 (24.4444)	. (.)	. (.)	1.044 (48.3333)	. (.)	. (.)	0.176 (8.1481)
37600177	23.6	. (.)	. (.)	. (.)	0.493 (20.8898)	. (.)	. (.)	1.08 (45.7627)	. (.)	. (.)	0.17 (7.2034)
37600178	22.8	. (.)	. (.)	. (.)	0.472 (20.7018)	. (.)	. (.)	0.956 (41.9298)	. (.)	. (.)	0.174 (7.6316)
37600179	20.1	. (.)	. (.)	. (.)	0.476 (23.6816)	. (.)	. (.)	0.873 (43.4328)	. (.)	. (.)	0.16 (7.9602)
37600180	21.2	. (.)	. (.)	. (.)	0.484 (22.8302)	. (.)	. (.)	0.908 (42.8302)	. (.)	. (.)	0.161 (7.5943)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
(100) * ORGAN DIVIDED BY TERMINAL WEIGHT

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600169	20.2	. (.)	0.215 (10.6436)	0.154 (7.6238)	0.057 (2.8218)	. (.)	. (.)	. (.)	. (.)	. (.)
37600170	21.3	. (.)	0.214 (10.0469)	0.177 (8.3099)	0.027 (1.2676)	. (.)	. (.)	. (.)	. (.)	. (.)
37600171	21.6	. (.)	0.196 (9.0741)	0.125 (5.7870)	0.033 (1.5278)	. (.)	. (.)	. (.)	. (.)	. (.)
37600172	22.4	. (.)	0.194 (8.6607)	0.133 (5.9375)	0.045 (2.0089)	. (.)	. (.)	. (.)	. (.)	. (.)
37600173	20.4	. (.)	0.2 (9.8039)	0.124 (6.0784)	0.033 (1.6176)	. (.)	. (.)	. (.)	. (.)	. (.)
37600174	22.3	. (.)	0.239 (10.7175)	0.108 (4.8430)	0.038 (1.7040)	. (.)	. (.)	. (.)	. (.)	. (.)
37600175	21.3	. (.)	0.205 (9.6244)	0.13 (6.1033)	0.043 (2.0188)	. (.)	. (.)	. (.)	. (.)	. (.)
37600176	21.6	. (.)	0.225 (10.4167)	0.164 (7.5926)	0.042 (1.9444)	. (.)	. (.)	. (.)	. (.)	. (.)
37600177	23.6	. (.)	0.213 (9.0254)	0.132 (5.5932)	0.05 (2.1186)	. (.)	. (.)	. (.)	. (.)	. (.)
37600178	22.8	. (.)	0.246 (10.7895)	0.158 (6.9298)	0.045 (1.9737)	. (.)	. (.)	. (.)	. (.)	. (.)
37600179	20.1	. (.)	0.181 (9.0050)	0.124 (6.1692)	0.033 (1.6418)	. (.)	. (.)	. (.)	. (.)	. (.)
37600180	21.2	. (.)	0.237 (11.1792)	0.109 (5.1415)	0.031 (1.4623)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 0 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600145	28.1	. (.)	. (.)	. (.)	0.436 (15.5160)	. (.)	0.122 (4.3416)	1.162 (41.3523)	. (.)	. (.)	0.223 (7.9359)
37600146	27.5	. (.)	. (.)	. (.)	0.435 (15.8182)	. (.)	0.073 (2.6545)	1.134 (41.2364)	. (.)	. (.)	0.238 (8.6545)
37600147	27.5	. (.)	. (.)	. (.)	0.424 (15.4182)	. (.)	0.072 (2.6182)	1.147 (41.7091)	. (.)	. (.)	0.219 (7.9636)
37600148	24.8	. (.)	. (.)	. (.)	0.461 (18.5887)	. (.)	0.073 (2.9435)	1.041 (41.9758)	. (.)	. (.)	0.177 (7.1371)
37600149	30	. (.)	. (.)	. (.)	0.435 (14.5000)	. (.)	0.1 (3.3333)	1.073 (35.7667)	. (.)	. (.)	0.213 (7.2667)
37600150	28.7	. (.)	. (.)	. (.)	0.477 (16.6202)	. (.)	0.129 (4.4948)	1.234 (42.9965)	. (.)	. (.)	0.235 (8.1882)
37600151	27.8	. (.)	. (.)	. (.)	0.418 (15.0360)	. (.)	0.116 (4.1727)	1.119 (40.2518)	. (.)	. (.)	0.22 (7.9137)
37600152	30	. (.)	. (.)	. (.)	0.476 (15.8667)	. (.)	0.115 (3.8333)	1.314 (43.8000)	. (.)	. (.)	0.247 (8.2333)
37600153	28.1	. (.)	. (.)	. (.)	0.453 (16.1210)	. (.)	0.12 (4.2705)	1.143 (40.6762)	. (.)	. (.)	0.238 (8.4698)
37600154	28.7	. (.)	. (.)	. (.)	0.416 (14.4948)	. (.)	0.113 (3.9373)	1.221 (42.5436)	. (.)	. (.)	0.226 (7.8746)
37600155	26.1	. (.)	. (.)	. (.)	0.445 (17.0498)	. (.)	0.105 (4.0230)	1.061 (40.6513)	. (.)	. (.)	0.224 (8.5824)
37600156	27.1	. (.)	. (.)	. (.)	0.453 (16.7159)	. (.)	0.116 (4.2804)	1.052 (38.8192)	. (.)	. (.)	0.237 (8.7454)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 0 PPM

[redacted] D [redacted] ERMI [redacted] UTE [redacted] T [redacted] YMUS [redacted] RIGHT ADR [redacted] LEFT A [redacted] L [redacted] DER [redacted] LEFT ... ARY [redacted] RIGHT OVAR [redacted]

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 0 PPM

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600145	28.1	. (.)	0.191 (6.7972)	0.151 (5.3737)	0.031 (1.1032)	. (.)	. (.)	. (.)	. (.)	. (.)
37600146	27.5	. (.)	0.133 (4.8364)	0.15 (5.4545)	0.015 (0.5455)	. (.)	. (.)	. (.)	. (.)	. (.)
37600147	27.5	. (.)	0.168 (6.1091)	0.161 (5.8545)	0.025 (0.9091)	. (.)	. (.)	. (.)	. (.)	. (.)
37600148	24.8	. (.)	0.158 (6.3710)	0.143 (5.7661)	0.014 (0.5645)	. (.)	. (.)	. (.)	. (.)	. (.)
37600149	30	. (.)	0.179 (5.9667)	0.166 (5.5333)	0.023 (0.7667)	. (.)	. (.)	. (.)	. (.)	. (.)
37600150	28.7	. (.)	0.19 (6.6202)	0.154 (5.3659)	0.033 (1.1498)	. (.)	. (.)	. (.)	. (.)	. (.)
37600151	27.8	. (.)	0.181 (6.5108)	0.16 (5.7554)	0.038 (1.3669)	. (.)	. (.)	. (.)	. (.)	. (.)
37600152	30	. (.)	0.23 (7.6667)	0.18 (6.0000)	0.033 (1.1000)	. (.)	. (.)	. (.)	. (.)	. (.)
37600153	28.1	. (.)	0.177 (6.2989)	0.197 (7.0107)	0.027 (0.9609)	. (.)	. (.)	. (.)	. (.)	. (.)
37600154	28.7	. (.)	0.159 (5.5401)	0.186 (6.4808)	0.031 (1.0801)	. (.)	. (.)	. (.)	. (.)	. (.)
37600155	26.1	. (.)	0.233 (8.9272)	0.23 (8.8123)	0.028 (1.0728)	. (.)	. (.)	. (.)	. (.)	. (.)
37600156	27.1	. (.)	0.211 (7.7860)	0.159 (5.8672)	0.025 (0.9225)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN WEIGHT DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 80 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 80 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37603277	26.4	(.)	(.)	(.)	0.478 (18.1061)	(.)	(.)	1.243 (47.0833)	(.)	(.)	0.193 (7.3106)
37603278	22.5	(.)	(.)	(.)	0.479 (21.2889)	(.)	(.)	0.973 (43.2444)	(.)	(.)	0.153 (6.8000)
37603279	21.4	(.)	(.)	(.)	0.473 (22.1028)	(.)	(.)	0.939 (43.8318)	(.)	(.)	0.159 (7.4299)
37603280	22.0	(.)	(.)	(.)	0.465 (20.5752)	(.)	(.)	0.986 (43.6283)	(.)	(.)	0.18 (7.9648)
37603281	19.6	(.)	(.)	(.)	0.444 (22.1429)	(.)	(.)	0.85 (43.3673)	(.)	(.)	0.139 (7.0918)
37603282	22.1	(.)	(.)	(.)	0.418 (18.9140)	(.)	(.)	0.921 (41.6742)	(.)	(.)	0.169 (7.6471)
37603283	21.3	(.)	(.)	(.)	0.467 (22.2374)	(.)	(.)	0.871 (41.4155)	(.)	(.)	0.161 (7.6526)
37603284	22.4	(.)	(.)	(.)	0.481 (21.4732)	(.)	(.)	0.929 (41.4286)	(.)	(.)	0.165 (7.4107)
37603285	22.8	(.)	(.)	(.)	0.484 (21.2281)	(.)	(.)	1.049 (45.9649)	(.)	(.)	0.178 (7.8070)
37603286	22.5	(.)	(.)	(.)	0.462 (20.5333)	(.)	(.)	1.04 (46.2222)	(.)	(.)	0.175 (7.7778)
[illegible]	[illegible]	(.)	(.)	(.)	0.477 (21.1062)	(.)	(.)	1.041 (46.0619)	(.)	(.)	0.167 (7.3938)
37603288	23.4	(.)	(.)	(.)	0.435 (20.9135)	(.)	(.)	0.901 (43.3173)	(.)	(.)	0.143 (6.8750)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
100 * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 80 PPM

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600277	26.4	. (.)	0.182 (6.8939)	0.2 (7.5758)	0.053 (2.0076)	. (.)	. (.)	. (.)	. (.)	. (.)
37600278	22.5	. (.)	0.179 (7.9556)	0.143 (6.3556)	0.051 (2.2667)	. (.)	. (.)	. (.)	. (.)	. (.)
37600279	21.4	. (.)	0.186 (8.7850)	0.141 (6.5888)	0.032 (1.4953)	. (.)	. (.)	. (.)	. (.)	. (.)
37600280	22.6	. (.)	0.202 (8.9381)	0.113 (5.0000)	0.045 (1.9912)	. (.)	. (.)	. (.)	. (.)	. (.)
37600281	19.6	. (.)	0.152 (7.7551)	0.116 (5.9184)	0.039 (1.9898)	. (.)	. (.)	. (.)	. (.)	. (.)
37600282	22.1	. (.)	0.211 (9.5475)	0.18 (8.1448)	0.028 (1.2670)	. (.)	. (.)	. (.)	. (.)	. (.)
37600283	21.9	. (.)	0.184 (8.4018)	0.136 (6.2100)	0.028 (1.2785)	. (.)	. (.)	. (.)	. (.)	. (.)
37600284	22.4	. (.)	0.201 (8.9732)	0.126 (5.6250)	0.029 (1.2946)	. (.)	. (.)	. (.)	. (.)	. (.)
37600285	22.8	. (.)	0.199 (8.7281)	0.109 (4.7807)	0.044 (1.9298)	. (.)	. (.)	. (.)	. (.)	. (.)
37600286	22.5	. (.)	0.182 (8.0889)	0.126 (5.6000)	0.041 (1.8222)	. (.)	. (.)	. (.)	. (.)	. (.)
37600287	22.6	. (.)	0.232 (10.2655)	0.161 (7.1239)	0.041 (1.8142)	. (.)	. (.)	. (.)	. (.)	. (.)
37600288	20.8	. (.)	0.115 (5.5288)	0.169 (8.1250)	0.044 (2.1154)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 80 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600253	32.5	. (.)	. (.)	. (.)	0.499 (15.3538)	. (.)	0.128 (3.9385)	1.563 (48.0923)	. (.)	. (.)	0.283 (8.7077)
37600254	31.4	. (.)	. (.)	. (.)	0.503 (16.0191)	. (.)	0.115 (3.6624)	1.478 (47.0701)	. (.)	. (.)	0.259 (8.2484)
37600255	29	. (.)	. (.)	. (.)	0.451 (15.5517)	. (.)	0.113 (3.8966)	1.331 (45.8966)	. (.)	. (.)	0.246 (8.4828)
37600256	29.1	. (.)	. (.)	. (.)	0.442 (15.1890)	. (.)	0.111 (3.8144)	1.163 (39.9656)	. (.)	. (.)	0.196 (6.7354)
37600257	28.3	. (.)	. (.)	. (.)	0.461 (16.2898)	. (.)	0.115 (4.0636)	1.112 (39.2933)	. (.)	. (.)	0.25 (8.8339)
37600258	30.6	. (.)	. (.)	. (.)	0.46 (15.0327)	. (.)	0.124 (4.0523)	1.466 (47.9085)	. (.)	. (.)	0.286 (9.3464)
37600259	32.3	. (.)	. (.)	. (.)	0.481 (14.8916)	. (.)	0.124 (3.8390)	1.508 (46.6873)	. (.)	. (.)	0.268 (8.2972)
37600260	29.4	. (.)	. (.)	. (.)	0.48 (16.3265)	. (.)	0.123 (4.1837)	1.429 (48.6054)	. (.)	. (.)	0.263 (8.9456)
37600261	30	. (.)	. (.)	. (.)	0.444 (14.8000)	. (.)	0.128 (4.2667)	1.261 (42.0333)	. (.)	. (.)	. (.)
37600262	30	. (.)	. (.)	. (.)	0.474 (15.8000)	. (.)	0.121 (4.0333)	1.209 (40.3000)	. (.)	. (.)	0.234 (7.8000)
37600263	29.1	. (.)	. (.)	. (.)	0.459 (15.7732)	. (.)	0.127 (4.3643)	1.326 (45.5670)	. (.)	. (.)	0.25 (8.5911)
37600264	28.4	. (.)	. (.)	. (.)	0.508 (17.7622)	. (.)	0.127 (4.4436)	1.24 (43.3566)	. (.)	. (.)	0.227 (7.9371)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

[redacted] ID [redacted] TERM [redacted] UT [redacted] [redacted] RT [redacted] THYM [redacted] RIGHT AD [redacted] LEFT [redacted] AL [redacted] DDER [redacted] LEFT OVARY [redacted] RIGHT OV [redacted]

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 80 PPM

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600253	32.5	. (.)	0.215 (6.6154)	0.169 (5.2000)	0.033 (1.0154)	. (.)	. (.)	. (.)	. (.)	. (.)
37600254	31.4	. (.)	0.242 (7.7070)	0.182 (5.7962)	0.057 (1.8153)	. (.)	. (.)	. (.)	. (.)	. (.)
37600255	29	. (.)	0.192 (6.6207)	0.19 (6.5517)	0.036 (1.2414)	. (.)	. (.)	. (.)	. (.)	. (.)
37600256	29.1	. (.)	. (.)	0.174 (5.9794)	0.031 (1.0653)	. (.)	. (.)	. (.)	. (.)	. (.)
37600257	23.3	. (.)	0.161 (6.8883)	0.126 (5.3857)	0.044 (1.5548)	. (.)	. (.)	. (.)	. (.)	. (.)
37600258	30.6	. (.)	0.243 (7.9412)	0.149 (4.8693)	0.032 (1.0458)	. (.)	. (.)	. (.)	. (.)	. (.)
37600259	32.3	. (.)	0.258 (7.9876)	0.192 (5.9443)	0.051 (1.5789)	. (.)	. (.)	. (.)	. (.)	. (.)
37600260	29.4	. (.)	0.198 (6.7347)	0.258 (8.7755)	0.043 (1.4626)	. (.)	. (.)	. (.)	. (.)	. (.)
37600261	30	. (.)	0.217 (7.2333)	0.207 (6.9000)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
37600262	30	. (.)	0.23 (7.6667)	0.153 (5.1000)	0.017 (0.5667)	. (.)	. (.)	. (.)	. (.)	. (.)
37600263	29.1	. (.)	0.189 (6.4948)	0.143 (4.9141)	0.014 (0.4811)	. (.)	. (.)	. (.)	. (.)	. (.)
37600264	29.6	. (.)	0.211 (7.3776)	0.209 (7.3077)	0.035 (1.2238)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * (ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 162 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600265	22	(.)	(.)	(.)	0.46 (20.9091)	(.)	(.)	1.14 (51.8182)	(.)	(.)	0.179 (8.1364)
37600266	22.4	(.)	(.)	(.)	0.474 (21.1607)	(.)	(.)	1.317 (58.7946)	(.)	(.)	0.219 (9.7768)
37600267	21.7	(.)	(.)	(.)	0.477 (21.9816)	(.)	(.)	1.348 (62.1198)	(.)	(.)	0.197 (9.0783)
37600268	20.6	(.)	(.)	(.)	0.504 (24.4660)	(.)	(.)	1.274 (61.8447)	(.)	(.)	0.22 (10.6796)
37600269	21.2	(.)	(.)	(.)	0.498 (23.4906)	(.)	(.)	1.218 (57.4528)	(.)	(.)	0.218 (10.0472)
37600270	22.8	(.)	(.)	(.)	0.482 (21.1404)	(.)	(.)	1.299 (56.9737)	(.)	(.)	0.233 (10.2193)
37600271	22.6	(.)	(.)	(.)	0.492 (21.7699)	(.)	(.)	1.254 (55.4867)	(.)	(.)	0.197 (8.7168)
37600272	29.1	(.)	(.)	(.)	0.483 (16.5979)	(.)	(.)	1.667 (57.2852)	(.)	(.)	0.214 (7.3540)
37600273	22.2	(.)	(.)	(.)	0.472 (21.2613)	(.)	(.)	1.425 (64.1892)	(.)	(.)	0.205 (9.2342)
37600274	23.3	(.)	(.)	(.)	0.608 (26.0944)	(.)	(.)	1.377 (59.0987)	(.)	(.)	0.209 (8.9700)
37600275	23.2	(.)	(.)	(.)	0.459 (19.7845)	(.)	(.)	1.38 (59.4828)	(.)	(.)	0.206 (8.8793)
37600276	22.9	(.)	(.)	(.)	0.459 (20.0437)	(.)	(.)	1.407 (61.4410)	(.)	(.)	0.185 (8.0786)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 162 PPM

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600265	22	. (.)	0.2 (9.0909)	0.114 (5.1818)	0.038 (1.7273)	. (.)	. (.)	. (.)	. (.)	. (.)
37600266	22.4	. (.)	0.226 (10.0893)	0.11 (4.9107)	0.047 (2.0982)	. (.)	. (.)	. (.)	. (.)	. (.)
37600267	21.7	. (.)	0.182 (8.3871)	0.112 (5.1613)	0.034 (1.5668)	. (.)	. (.)	. (.)	. (.)	. (.)
37600268	20.6	. (.)	0.188 (9.1262)	0.151 (7.3301)	0.036 (1.7476)	. (.)	. (.)	. (.)	. (.)	. (.)
37600269	21.2	. (.)	0.229 (10.8019)	0.129 (6.0849)	0.036 (1.6981)	. (.)	. (.)	. (.)	. (.)	. (.)
37600270	22.8	. (.)	0.216 (9.4737)	0.129 (5.6579)	0.033 (1.4474)	. (.)	. (.)	. (.)	. (.)	. (.)
37600271	22.6	. (.)	0.237 (10.4867)	0.118 (5.2212)	0.031 (1.3717)	. (.)	. (.)	. (.)	. (.)	. (.)
37600272	29.1	. (.)	0.19 (6.5292)	0.142 (4.8797)	0.043 (1.4777)	. (.)	. (.)	. (.)	. (.)	. (.)
37600273	22.2	. (.)	0.192 (8.6486)	0.13 (5.8559)	0.046 (2.0721)	. (.)	. (.)	. (.)	. (.)	. (.)
37600274	23.3	. (.)	0.167 (7.1674)	0.163 (6.9957)	0.052 (2.2318)	. (.)	. (.)	. (.)	. (.)	. (.)
37600275	23.2	. (.)	0.205 (8.8362)	0.139 (5.9914)	0.038 (1.6379)	. (.)	. (.)	. (.)	. (.)	. (.)
37600276	22.9	. (.)	0.176 (7.6856)	0.119 (5.1965)	0.035 (1.5284)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 162 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 162 PPM

CID.	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600217	27.9	(.)	(.)	(.)	0.435 (15.5914)	(.)	0.115 (4.1219)	1.352 (48.4588)	(.)	(.)	0.259 (9.2832)
37600218	24.7	(.)	(.)	(.)	0.48 (19.4332)	(.)	0.133 (5.3846)	1.104 (44.6964)	(.)	(.)	0.229 (9.2713)
37600219	26.8	(.)	(.)	(.)	0.489 (18.2463)	(.)	0.119 (4.4403)	1.128 (42.0896)	(.)	(.)	0.241 (8.9925)
37600220	23.5	(.)	(.)	(.)	0.423 (18.0000)	(.)	0.1 (4.2553)	1.027 (43.7021)	(.)	(.)	0.208 (8.8511)
37600221	24	(.)	(.)	(.)	0.418 (17.4167)	(.)	0.108 (4.5000)	1.079 (44.9583)	(.)	(.)	0.24 (10.0000)
37600222	26	(.)	(.)	(.)	0.486 (18.6923)	(.)	0.115 (4.4231)	1.124 (43.2308)	(.)	(.)	0.271 (10.4231)
37600223	22.7	(.)	(.)	(.)	0.438 (19.2952)	(.)	0.096 (4.2291)	1.052 (46.3436)	(.)	(.)	0.201 (8.8546)
37600224	24.6	(.)	(.)	(.)	0.456 (18.3871)	(.)	(.)	1.271 (51.2500)	(.)	(.)	0.229 (9.2339)
37600225	25.1	(.)	(.)	(.)	0.468 (18.6454)	(.)	0.123 (4.9004)	1.106 (44.0637)	(.)	(.)	0.23 (9.1633)
37600226	25.1	(.)	(.)	(.)	0.482 (19.2032)	(.)	0.122 (4.8606)	1.086 (43.2669)	(.)	(.)	0.247 (9.8406)
37600227	24.7	(.)	(.)	(.)	0.494 (20.0000)	(.)	0.125 (5.0607)	1.182 (47.8543)	(.)	(.)	0.225 (9.1093)
37600228	24.5	(.)	(.)	(.)	0.479 (19.5510)	(.)	0.107 (4.3673)	1.052 (42.9388)	(.)	(.)	0.22 (8.9796)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 162 PPM

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600217	27.9	. (.)	0.202 (7.2401)	0.141 (5.0538)	0.024 (0.8602)	. (.)	. (.)	. (.)	. (.)	. (.)
37600218	24.7	. (.)	0.321 (12.9960)	0.134 (5.4251)	0.032 (1.2955)	. (.)	. (.)	. (.)	. (.)	. (.)
37600219	26.8	. (.)	0.198 (7.3881)	0.161 (6.0075)	0.033 (1.2313)	. (.)	. (.)	. (.)	. (.)	. (.)
37600220	23.5	. (.)	0.17 (7.2340)	0.141 (6.0000)	0.027 (1.1489)	. (.)	. (.)	. (.)	. (.)	. (.)
37600221	24	. (.)	0.172 (7.1667)	0.142 (5.9167)	0.02 (0.8333)	. (.)	. (.)	. (.)	. (.)	. (.)
37600222	26	. (.)	0.219 (8.4231)	0.154 (5.9231)	0.037 (1.4231)	. (.)	. (.)	. (.)	. (.)	. (.)
37600223	22.7	. (.)	0.192 (8.4581)	0.107 (4.7137)	0.027 (1.1894)	. (.)	. (.)	. (.)	. (.)	. (.)
37600224	24.8	. (.)	0.183 (7.3790)	0.151 (6.0887)	0.026 (1.0484)	. (.)	. (.)	. (.)	. (.)	. (.)
37600225	25.1	. (.)	0.161 (6.4143)	0.139 (5.5378)	0.02 (0.7968)	. (.)	. (.)	. (.)	. (.)	. (.)
37600226	25.1	. (.)	0.183 (7.4900)	0.151 (6.0159)	0.027 (1.0757)	. (.)	. (.)	. (.)	. (.)	. (.)
37600227	24.7	. (.)	0.227 (9.1933)	0.17 (6.8826)	0.026 (1.0526)	. (.)	. (.)	. (.)	. (.)	. (.)
37600228	24.5	. (.)	0.2 (8.1633)	0.182 (7.4286)	0.016 (0.6531)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
(100) * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 325 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600241	19.8	. (.)	. (.)	. (.)	0.454 (22.9293)	. (.)	. (.)	0.907 (45.8081)	. (.)	. (.)	0.142 (7.1717)
37600242	20	. (.)	. (.)	. (.)	0.485 (24.2500)	. (.)	. (.)	1.092 (54.6000)	. (.)	. (.)	0.16 (8.0000)
37600243	21.5	. (.)	. (.)	. (.)	0.492 (22.8837)	. (.)	. (.)	1.027 (47.7674)	. (.)	. (.)	0.179 (8.3256)
37600244	20.8	. (.)	. (.)	. (.)	0.513 (24.6635)	. (.)	. (.)	1.121 (53.8942)	. (.)	. (.)	0.161 (7.7404)
37600245	21.5	. (.)	. (.)	. (.)	0.489 (22.7442)	. (.)	. (.)	0.966 (44.9302)	. (.)	. (.)	0.142 (6.6047)
37600246	18	. (.)	. (.)	. (.)	0.435 (24.1667)	. (.)	. (.)	0.939 (52.1667)	. (.)	. (.)	0.128 (7.1111)
37600247	21.3	. (.)	. (.)	. (.)	0.465 (21.8310)	. (.)	. (.)	0.947 (44.4601)	. (.)	. (.)	0.154 (7.2300)
37600248	24	. (.)	. (.)	. (.)	0.503 (20.9583)	. (.)	. (.)	1.148 (47.8333)	. (.)	. (.)	0.17 (7.0833)
37600249	22.2	. (.)	. (.)	. (.)	0.498 (22.4324)	. (.)	. (.)	1.058 (47.6577)	. (.)	. (.)	0.192 (8.6486)
37600250	20.1	. (.)	. (.)	. (.)	0.464 (23.0846)	. (.)	. (.)	1.014 (50.4478)	. (.)	. (.)	0.188 (9.3532)
37600251	22.8	. (.)	. (.)	. (.)	0.459 (20.1316)	. (.)	. (.)	1.122 (49.2105)	. (.)	. (.)	0.181 (7.9386)
37600252	20.6	. (.)	. (.)	. (.)	0.448 (21.8537)	. (.)	. (.)	0.915 (44.6341)	. (.)	. (.)	0.145 (7.0732)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 325 PPM

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600241	19.8	. (.)	0.189 (9.5455)	0.099 (5.0000)	0.033 (1.6667)	. (.)	. (.)	. (.)	. (.)	. (.)
37600242	20	. (.)	0.231 (11.5500)	0.135 (6.7500)	0.038 (1.9000)	. (.)	. (.)	. (.)	. (.)	. (.)
37600243	21.5	. (.)	0.19 (8.8372)	0.145 (6.7442)	0.04 (1.8605)	. (.)	. (.)	. (.)	. (.)	. (.)
37600244	20.8	. (.)	0.217 (10.4327)	0.141 (6.7788)	0.046 (2.2115)	. (.)	. (.)	. (.)	. (.)	. (.)
37600245	21.5	. (.)	0.186 (8.6512)	0.166 (7.7209)	0.049 (2.2791)	. (.)	. (.)	. (.)	. (.)	. (.)
37600246	18	. (.)	0.155 (8.6111)	0.13 (7.2222)	0.033 (1.8333)	. (.)	. (.)	. (.)	. (.)	. (.)
37600247	21.3	. (.)	0.284 (13.5211)	0.123 (5.7746)	0.034 (1.5962)	. (.)	. (.)	. (.)	. (.)	. (.)
37600248	24	. (.)	0.236 (9.8333)	0.137 (5.7083)	0.066 (2.7500)	. (.)	. (.)	. (.)	. (.)	. (.)
37600249	22.2	. (.)	0.176 (7.9279)	0.144 (6.4865)	0.038 (1.7117)	. (.)	. (.)	. (.)	. (.)	. (.)
37600250	20.1	. (.)	0.216 (10.7463)	0.19 (9.4527)	0.04 (1.9900)	. (.)	. (.)	. (.)	. (.)	. (.)
37600251	22.8	. (.)	0.211 (9.2544)	0.166 (7.2807)	0.049 (2.1491)	. (.)	. (.)	. (.)	. (.)	. (.)
37600252	20.5	. (.)	0.168 (8.1951)	0.14 (6.8293)	0.034 (1.6585)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 325 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600235	25.7	(.)	(.)	(.)	0.464 (18.0545)	(.)	0.122 (4.7471)	1.052 (40.9339)	(.)	(.)	0.2 (7.7821)
37600236	26.3	(.)	(.)	(.)	0.465 (17.6806)	(.)	0.115 (4.3726)	1.076 (40.9125)	(.)	(.)	0.191 (7.2624)
37600237	26.7	(.)	(.)	(.)	0.519 (19.4382)	(.)	0.12 (4.4944)	1.394 (52.2097)	(.)	(.)	0.227 (8.5019)
37600239	26.5	(.)	(.)	(.)	0.49 (18.4906)	(.)	0.135 (5.0943)	1.218 (45.9623)	(.)	(.)	0.214 (8.0755)
37600240	26.8	(.)	(.)	(.)	0.449 (16.7537)	(.)	0.115 (4.2910)	1.171 (43.6940)	(.)	(.)	0.196 (7.3134)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
100 * ORGAN DIVIDED BY TERMINAL WEIGHT

RIGHT ADR... LEFT ADR... LEFT OVARY RIGHT OVA...

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600235	25.7	. (.)	0.218 (8.4825)	0.184 (7.1595)	0.019 (0.7393)	. (.)	. (.)	. (.)	. (.)	. (.)
37600236	26.3	. (.)	0.204 (7.7567)	0.128 (4.8669)	0.019 (0.7224)	. (.)	. (.)	. (.)	. (.)	. (.)
37600237	26.7	. (.)	0.228 (8.5393)	0.161 (6.0300)	0.025 (0.9363)	. (.)	. (.)	. (.)	. (.)	. (.)
37600239	26.5	. (.)	0.212 (8.0000)	0.224 (8.4528)	0.035 (1.3208)	. (.)	. (.)	. (.)	. (.)	. (.)
37600240	26.8	. (.)	0.211 (7.8731)	0.149 (5.5597)	0.026 (0.9701)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
100) * ORGAN DIVIDED BY TERMINAL WEIGHT

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600193	21.5	. (.)	. (.)	. (.)	0.496 (23.0698)	. (.)	. (.)	1.507 (70.0930)	. (.)	. (.)	0.218 (10.1395)
37600194	21.7	. (.)	. (.)	. (.)	0.52 (23.9631)	. (.)	. (.)	1.861 (85.7604)	. (.)	. (.)	0.216 (9.9539)
37600195	17.5	. (.)	. (.)	. (.)	0.509 (29.0857)	. (.)	. (.)	1.295 (74.0000)	. (.)	. (.)	0.154 (8.8000)
37600196	28	. (.)	. (.)	. (.)	0.463 (16.5357)	. (.)	. (.)	1.819 (64.9643)	. (.)	. (.)	0.227 (8.1071)
37600197	21.1	. (.)	. (.)	. (.)	0.511 (24.2180)	. (.)	. (.)	1.521 (72.0853)	. (.)	. (.)	0.162 (7.6777)
37600198	23	. (.)	. (.)	. (.)	0.459 (19.9565)	. (.)	. (.)	1.458 (63.3913)	. (.)	. (.)	0.198 (8.6087)
37600199	20.2	. (.)	. (.)	. (.)	0.452 (22.3762)	. (.)	. (.)	1.365 (67.5743)	. (.)	. (.)	0.173 (8.5644)
37600200	18.5	. (.)	. (.)	. (.)	0.498 (26.9189)	. (.)	. (.)	1.525 (82.4324)	. (.)	. (.)	0.2 (10.8108)
37600201	19.9	. (.)	. (.)	. (.)	0.505 (25.3769)	. (.)	. (.)	1.376 (69.1457)	. (.)	. (.)	0.167 (8.3920)
37600202	21.5	. (.)	. (.)	. (.)	0.479 (22.2791)	. (.)	. (.)	1.63 (75.8140)	. (.)	. (.)	0.199 (9.2558)
37600203	22.2	. (.)	. (.)	. (.)	0.474 (21.3514)	. (.)	. (.)	1.506 (67.8378)	. (.)	. (.)	0.193 (8.6835)
37600204	20.9	. (.)	. (.)	. (.)	0.488 (23.3493)	. (.)	. (.)	1.409 (67.4163)	. (.)	. (.)	0.192 (9.1866)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 750 PPM

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600193	21.5	. (.)	0.204 (9.4884)	0.116 (5.3953)	0.041 (1.9077)	. (.)	. (.)	. (.)	. (.)	. (.)
37600194	21.7	. (.)	0.218 (10.0461)	0.14 (6.4516)	0.068 (3.1336)	. (.)	. (.)	. (.)	. (.)	. (.)
37600195	17.5	. (.)	0.154 (8.8000)	0.13 (7.4286)	0.038 (2.1714)	. (.)	. (.)	. (.)	. (.)	. (.)
37600196	21	. (.)	0.242 (8.6429)	0.156 (5.5714)	0.033 (1.1786)	. (.)	. (.)	. (.)	. (.)	. (.)
37600197	21.1	. (.)	0.237 (11.2322)	0.14 (6.6351)	0.037 (1.7536)	. (.)	. (.)	. (.)	. (.)	. (.)
37600198	23	. (.)	0.231 (10.0435)	0.13 (5.6522)	0.04 (1.7391)	. (.)	. (.)	. (.)	. (.)	. (.)
37600199	20.2	. (.)	0.194 (9.6040)	0.114 (5.6436)	0.029 (1.4356)	. (.)	. (.)	. (.)	. (.)	. (.)
37600200	18.5	. (.)	0.202 (10.9189)	0.117 (6.3243)	0.052 (2.8108)	. (.)	. (.)	. (.)	. (.)	. (.)
37600201	19.9	. (.)	0.274 (13.7688)	0.138 (6.9347)	0.05 (2.5126)	. (.)	. (.)	. (.)	. (.)	. (.)
37600202	21.6	. (.)	0.275 (12.7907)	0.155 (7.2093)	0.042 (1.9535)	. (.)	. (.)	. (.)	. (.)	. (.)
37600203	22.2	. (.)	0.229 (10.3153)	0.149 (6.7117)	0.053 (2.3874)	. (.)	. (.)	. (.)	. (.)	. (.)
37600204	23.9	. (.)	0.225 (10.7656)	0.129 (6.1722)	0.034 (1.6268)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 750 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600181	27.5	. (.)	. (.)	. (.)	0.445 (16.1818)	. (.)	0.11 (4.0000)	1.433 (52.1091)	. (.)	. (.)	0.225 (8.1818)
37600182	28.8	. (.)	. (.)	. (.)	0.482 (16.7361)	. (.)	0.158 (5.4861)	1.523 (53.0556)	. (.)	. (.)	0.249 (8.6458)
37600183	27.4	. (.)	. (.)	. (.)	0.474 (17.2993)	. (.)	0.124 (4.5255)	1.393 (51.0219)	. (.)	. (.)	0.274 (10.0000)
37600184	24.3	. (.)	. (.)	. (.)	0.408 (16.7901)	. (.)	0.095 (3.9095)	1.392 (57.2840)	. (.)	. (.)	0.201 (8.2716)
37600185	28.2	. (.)	. (.)	. (.)	0.454 (16.0993)	. (.)	0.116 (4.1135)	1.58 (56.0284)	. (.)	. (.)	0.257 (9.1135)
37600186	27.6	. (.)	. (.)	. (.)	0.483 (17.5000)	. (.)	0.114 (4.1304)	1.795 (65.0362)	. (.)	. (.)	0.274 (9.9275)
37600187	27.6	. (.)	. (.)	. (.)	0.489 (17.7174)	. (.)	0.127 (4.6014)	1.634 (59.2029)	. (.)	. (.)	0.236 (8.5507)
37600188	28.8	. (.)	. (.)	. (.)	0.532 (18.4722)	. (.)	0.137 (4.7569)	1.78 (61.8056)	. (.)	. (.)	0.282 (9.7917)
37600189	26.3	. (.)	. (.)	. (.)	0.493 (18.7452)	. (.)	0.116 (4.4106)	1.519 (57.7567)	. (.)	. (.)	0.244 (9.2776)
37600190	28	. (.)	. (.)	. (.)	0.481 (17.1786)	. (.)	0.12 (4.2857)	1.551 (55.3929)	. (.)	. (.)	0.243 (8.6786)
37600191	27.8	. (.)	. (.)	. (.)	0.497 (17.8777)	. (.)	0.124 (4.4604)	1.525 (54.8561)	. (.)	. (.)	0.245 (8.8129)
37600192	26.4	. (.)	. (.)	. (.)	0.434 (16.4394)	. (.)	0.105 (3.9773)	1.427 (54.0530)	. (.)	. (.)	0.202 (7.6515)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 750 PPM

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600181	27.5	. (.)	0.179 (6.5091)	0.121 (4.4000)	0.02 (0.7273)	. (.)	. (.)	. (.)	. (.)	. (.)
37600182	28.8	. (.)	0.208 (7.2222)	0.142 (4.9306)	0.038 (1.3194)	. (.)	. (.)	. (.)	. (.)	. (.)
37600183	27.4	. (.)	0.185 (6.7518)	0.16 (5.8394)	0.018 (0.6569)	. (.)	. (.)	. (.)	. (.)	. (.)
37600184	24.3	. (.)	0.259 (10.6584)	0.138 (5.6790)	0.031 (1.2757)	. (.)	. (.)	. (.)	. (.)	. (.)
37600185	28.2	. (.)	0.189 (6.7021)	0.163 (5.7801)	0.03 (1.0638)	. (.)	. (.)	. (.)	. (.)	. (.)
37600186	27.6	. (.)	0.187 (6.7754)	0.156 (5.6522)	0.038 (1.3768)	. (.)	. (.)	. (.)	. (.)	. (.)
37600187	27.6	. (.)	0.235 (8.5145)	0.144 (5.2174)	0.039 (1.4130)	. (.)	. (.)	. (.)	. (.)	. (.)
37600188	28.8	. (.)	0.281 (9.7569)	0.169 (5.8681)	0.044 (1.5278)	. (.)	. (.)	. (.)	. (.)	. (.)
37600189	26.3	. (.)	0.197 (7.4904)	0.154 (5.8555)	0.035 (1.3308)	. (.)	. (.)	. (.)	. (.)	. (.)
37600190	28	. (.)	0.191 (6.8214)	0.147 (5.2500)	0.03 (1.0714)	. (.)	. (.)	. (.)	. (.)	. (.)
37600191	27.8	. (.)	0.182 (6.5468)	0.169 (6.0432)	0.027 (0.9712)	. (.)	. (.)	. (.)	. (.)	. (.)
37600192	26.4	. (.)	0.183 (6.9318)	0.122 (4.6212)	0.029 (1.0985)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN WEIGHT DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 1500 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 1500 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600205	18.7	. (.)	. (.)	. (.)	0.45 (24.0642)	. (.)	. (.)	1.079 (57.7005)	. (.)	. (.)	0.131 (7.0053)
37600206	17.4	. (.)	. (.)	. (.)	0.438 (25.1724)	. (.)	. (.)	1.077 (61.8966)	. (.)	. (.)	0.112 (6.4368)
37600207	23	. (.)	. (.)	. (.)	0.473 (20.5652)	. (.)	. (.)	1.457 (63.3478)	. (.)	. (.)	0.173 (7.5217)
37600208	18.3	. (.)	. (.)	. (.)	0.481 (26.2842)	. (.)	. (.)	1.17 (63.9344)	. (.)	. (.)	0.126 (6.8852)
37600209	17.2	. (.)	. (.)	. (.)	0.456 (26.5116)	. (.)	. (.)	0.995 (57.8488)	. (.)	. (.)	0.105 (6.1047)
37600210	17.5	. (.)	. (.)	. (.)	0.423 (24.1714)	. (.)	. (.)	1.042 (59.5429)	. (.)	. (.)	0.118 (6.7429)
37600211	19.4	. (.)	. (.)	. (.)	0.474 (24.4330)	. (.)	. (.)	1.219 (62.8351)	. (.)	. (.)	0.142 (7.3196)
37600212	19.1	. (.)	. (.)	. (.)	0.453 (23.7173)	. (.)	. (.)	1.122 (58.7435)	. (.)	. (.)	0.13 (6.8063)
37600213	18	. (.)	. (.)	. (.)	0.462 (25.6667)	. (.)	. (.)	1.111 (61.7222)	. (.)	. (.)	0.136 (7.5556)
37600214	17.9	. (.)	. (.)	. (.)	0.397 (22.1788)	. (.)	. (.)	1.065 (59.4972)	. (.)	. (.)	0.123 (6.8715)
37600215	19.7	. (.)	. (.)	. (.)	0.505 (25.6345)	. (.)	. (.)	1.199 (60.8629)	. (.)	. (.)	0.147 (7.4619)
37600216	19.5	. (.)	. (.)	. (.)	0.467 (23.9487)	. (.)	. (.)	1.191 (61.0769)	. (.)	. (.)	0.154 (7.8974)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

187

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE 1500 PPM

RIGHT ADRENAL LEFT ADRENAL

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
FEMALE MICE FOR 1500 PPM

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600205	18.7	. (.)	0.174 (9.3048)	0.105 (5.6150)	0.026 (1.3904)	. (.)	. (.)	. (.)	. (.)	. (.)
37600206	17.4	. (.)	0.12 (6.8966)	0.098 (5.6322)	0.032 (1.8391)	. (.)	. (.)	. (.)	. (.)	. (.)
37600207	23	. (.)	0.168 (7.3043)	0.126 (5.4783)	0.038 (1.6522)	. (.)	. (.)	. (.)	. (.)	. (.)
37600208	18.3	. (.)	0.274 (14.9727)	0.176 (9.6175)	0.043 (2.3497)	. (.)	. (.)	. (.)	. (.)	. (.)
37600209	17.2	. (.)	0.124 (7.2093)	0.1 (5.8140)	0.032 (1.8605)	. (.)	. (.)	. (.)	. (.)	. (.)
37600210	17.5	. (.)	0.133 (7.6000)	0.104 (5.9429)	0.029 (1.6571)	. (.)	. (.)	. (.)	. (.)	. (.)
37600211	19.4	. (.)	0.171 (8.8144)	0.108 (5.5670)	0.022 (1.1340)	. (.)	. (.)	. (.)	. (.)	. (.)
37600212	19.1	. (.)	0.134 (7.0157)	0.247 (12.9319)	0.036 (1.8848)	. (.)	. (.)	. (.)	. (.)	. (.)
37600213	18	. (.)	0.136 (7.5555)	0.13 (7.2222)	0.03 (1.6667)	. (.)	. (.)	. (.)	. (.)	. (.)
37600214	17.9	. (.)	0.152 (8.4916)	0.133 (7.4302)	0.028 (1.5642)	. (.)	. (.)	. (.)	. (.)	. (.)
37600215	19.7	. (.)	0.275 (13.9594)	0.152 (7.7157)	0.037 (1.8782)	. (.)	. (.)	. (.)	. (.)	. (.)
37600216	19.5	. (.)	0.245 (12.5641)	0.148 (7.5897)	0.032 (1.6410)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
100 * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 1500 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTES	RIGHT TESTES	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 1500 PPM

CID	TERMINAL	ADRENAL	OVARY	PITUITARY	BRAIN	LEFT TESTIS	RIGHT TESTIS	LIVER	SPLEEN	LEFT KIDNEY	RIGHT KIDNEY
37600157	26.5	. (.)	. (.)	. (.)	0.459 (17.3208)	. (.)	0.111 (4.1887)	1.586 (59.8491)	. (.)	. (.)	0.179 (6.7547)
37600158	26.6	. (.)	. (.)	. (.)	0.482 (18.1203)	. (.)	0.115 (4.3233)	1.674 (62.9323)	. (.)	. (.)	0.181 (6.8045)
37600159	26	. (.)	. (.)	. (.)	0.422 (16.2308)	. (.)	0.127 (4.8846)	1.773 (68.1923)	. (.)	. (.)	0.218 (8.3846)
37600160	26.3	. (.)	. (.)	. (.)	0.505 (18.8433)	. (.)	0.121 (4.5149)	1.671 (62.3507)	. (.)	. (.)	0.191 (7.1269)
37600161	25.3	. (.)	. (.)	. (.)	0.464 (18.3399)	. (.)	0.116 (4.5850)	1.339 (52.9249)	. (.)	. (.)	0.174 (6.8775)
37600162	25.1	. (.)	. (.)	. (.)	0.456 (18.1673)	. (.)	0.108 (4.3028)	1.643 (65.4582)	. (.)	. (.)	0.202 (8.0478)
37600163	25	. (.)	. (.)	. (.)	0.473 (18.9200)	. (.)	0.112 (4.4800)	1.652 (66.0800)	. (.)	. (.)	0.202 (8.0800)
37600164	27.6	. (.)	. (.)	. (.)	0.475 (17.2101)	. (.)	0.12 (4.3478)	1.526 (55.2899)	. (.)	. (.)	0.212 (7.6812)
37600165	25.3	. (.)	. (.)	. (.)	0.471 (18.6166)	. (.)	0.128 (5.0593)	1.507 (59.5652)	. (.)	. (.)	0.209 (8.2609)
37600166	25.6	. (.)	. (.)	. (.)	0.446 (17.4219)	. (.)	0.101 (3.9453)	1.773 (69.2578)	. (.)	. (.)	0.206 (8.0469)
37600167	25.5	. (.)	. (.)	. (.)	0.476 (18.6667)	. (.)	0.121 (4.7451)	1.582 (62.0392)	. (.)	. (.)	0.212 (8.3137)
37600168	25.8	. (.)	. (.)	. (.)	0.463 (17.9457)	. (.)	0.106 (4.1085)	1.516 (58.7597)	. (.)	. (.)	0.175 (6.7829)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 1500 PPM

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY	PR

ORGAN WEIGHT TO TERMINAL WEIGHT RATIO
EXPERIMENT 5010-02
MALE MICE FOR 1500 PPM

CID	TERMINAL	UTERUS	LUNG	HEART	THYMUS	RIGHT ADRENAL	LEFT ADRENAL	BLADDER	LEFT OVARY	RIGHT OVARY
37600157	26.5	. (.)	0.144 (5.4340)	0.144 (5.4340)	0.029 (1.0943)	. (.)	. (.)	. (.)	. (.)	. (.)
37600158	26.6	. (.)	0.195 (7.3308)	0.142 (5.3383)	0.038 (1.4286)	. (.)	. (.)	. (.)	. (.)	. (.)
37600159	26	. (.)	0.244 (9.3846)	0.205 (7.8846)	0.016 (0.6154)	. (.)	. (.)	. (.)	. (.)	. (.)
37600160	26.8	. (.)	0.188 (7.0149)	0.213 (7.9478)	0.046 (1.7164)	. (.)	. (.)	. (.)	. (.)	. (.)
37600161	25.3	. (.)	0.215 (8.4980)	0.207 (8.1818)	0.037 (1.4625)	. (.)	. (.)	. (.)	. (.)	. (.)
37600162	25.1	. (.)	0.199 (7.9283)	0.131 (5.2191)	0.027 (1.0757)	. (.)	. (.)	. (.)	. (.)	. (.)
37600163	25	. (.)	0.245 (9.8000)	0.149 (5.9600)	0.045 (1.8000)	. (.)	. (.)	. (.)	. (.)	. (.)
37600164	27.6	. (.)	0.335 (12.1377)	0.158 (5.7246)	0.033 (1.1957)	. (.)	. (.)	. (.)	. (.)	. (.)
37600165	25.3	. (.)	0.227 (8.9723)	0.224 (8.8538)	0.031 (1.2253)	. (.)	. (.)	. (.)	. (.)	. (.)
37600166	25.6	. (.)	0.183 (7.1484)	0.193 (7.5391)	0.04 (1.5625)	. (.)	. (.)	. (.)	. (.)	. (.)
37600167	25.5	. (.)	0.237 (9.2941)	0.211 (8.2745)	0.036 (1.4118)	. (.)	. (.)	. (.)	. (.)	. (.)
37600168	25.8	. (.)	0.199 (7.7132)	0.118 (4.5736)	0.022 (0.8527)	. (.)	. (.)	. (.)	. (.)	. (.)

* THE RATIOS FOR ALL ORGANS WERE CALCULATED AS FOLLOWS
1000 * ORGAN DIVIDED BY TERMINAL WEIGHT

TABLE

ANALYSIS OF LUNG WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS		RATIO (%)	RATIO (%) RELATIVE TO CONTROLS (E)
		LUNG MILLIGRAMS(B)	BODY GRAMS(C)	RATIO X 1.000(D)	
MALE					
0	12	184.167 ± 8.515	27.867 ± 0.426	6.619 ± 0.314	--
80	11	214.182 ± 8.533	30.109 ± 0.434	7.097 ± 0.218	107
162	12	202.750 ±12.108	24.963 ± 0.405	8.129 ± 0.492	123
325	5	214.600 ± 4.020	26.400 ± 0.195	8.130 ± 0.160	123
750	12	205.917 ± 9.780	27.392 ± 0.359	7.541 ± 0.395	114
1500	12	217.583 ±13.594	25.925 ± 0.230	8.388 ± 0.494	127
FEMALE					
0	12	213.750 ± 5.767	21.567 ± 0.308	9.916 ± 0.243	--
80	12	185.583 ± 8.561	22.300 ± 0.460	8.322 ± 0.357	84
162	12	200.667 ± 6.431	22.833 ± 0.615	8.860 ± 0.373	89
325	12	205.250 ±10.437	21.042 ± 0.450	9.759 ± 0.463	98
750	12	223.750 ± 9.688	21.333 ± 0.751	10.535 ± 0.438	106
1500	12	175.500 ±16.488	18.808 ± 0.455	9.307 ± 0.829	94

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE LUNG WEIGHT FOR EACH ANIMAL BY ITS BODY WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

STATISTICS*

MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.028
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: 162 750 1500
   INCREASED P≤0.01: 1500
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.360
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

TABLE

ANALYSIS OF BRAIN WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS BRAIN MILLIGRAMS(B)	WEIGHTS BODY GRAMS(C)	RATIO X 0.10(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					
0	12	444.083 ± 5.936	27.867 ± 0.426	1.598 ± 0.033	--
80	12	471.833 ± 6.568	30.025 ± 0.405	1.573 ± 0.024	98
162	12	462.333 ± 7.870	24.983 ± 0.405	1.854 ± 0.034	116
325	5	477.400 ±12.307	26.400 ± 0.195	1.808 ± 0.044	113
750	12	472.667 ± 9.474	27.392 ± 0.359	1.725 ± 0.025	108
1500	12	466.000 ± 5.858	25.925 ± 0.230	1.798 ± 0.023	113
FEMALE					
0	12	480.500 ± 7.685	21.567 ± 0.308	2.233 ± 0.047	--
80	12	464.417 ± 6.599	22.300 ± 0.460	2.089 ± 0.036	94
162	12	469.000 ±11.632	22.833 ± 0.615	2.156 ± 0.070	97
325	12	475.417 ± 7.064	21.042 ± 0.450	2.266 ± 0.039	101
750	12	447.833 ± 6.447	21.333 ± 0.751	2.321 ± 0.093	104
1500	12	456.583 ± 8.133	18.808 ± 0.455	2.436 ± 0.049	109

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE BRAIN WEIGHT FOR EACH ANIMAL BY ITS BODY WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

STATISTICS*

MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.360
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: 162 325 750 1500
   INCREASED P≤0.01: 162 325 750 1500
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.028
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: 1500
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

TABLE

ANALYSIS OF HEART WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS HEART MILLIGRAMS(B)	WEIGHTS BODY GRAMS(C)	RATIO X 1.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)

TABLE

ANALYSIS OF HEART WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS HEART MILLIGRAMS(B)	WEIGHTS BODY GRAMS(C)	RATIO X 1.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					
0	12	169.750 ± 7.150	27.867 ± 0.426	6.106 ± 0.282	--
80	12	182.667 ± 9.223	30.025 ± 0.405	6.100 ± 0.330	100
162	12	147.750 ± 5.473	24.983 ± 0.405	5.916 ± 0.211	97
325	5	169.200 ±16.424	26.400 ± 0.195	6.414 ± 0.632	105
750	12	148.667 ± 4.657	27.392 ± 0.359	5.428 ± 0.156	89
1500	12	174.583 ±10.867	25.925 ± 0.230	6.744 ± 0.432	110
FEMALE					
0	12	136.500 ± 6.308	21.567 ± 0.308	6.342 ± 0.305	--
80	12	143.333 ± 8.272	22.300 ± 0.460	6.421 ± 0.326	101
162	12	129.667 ± 4.768	22.833 ± 0.615	5.706 ± 0.229	90
325	12	143.000 ± 6.680	21.042 ± 0.450	6.812 ± 0.324	107
750	12	134.500 ± 4.179	21.333 ± 0.751	6.344 ± 0.195	100
1500	12	135.583 ±12.301	18.808 ± 0.455	7.213 ± 0.635	114

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE HEART WEIGHT FOR EACH ANIMAL BY ITS BODY WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

STATISTICS*

MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.500
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.136
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

TABLE

ANALYSIS OF LIVER WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS LIVER MILLIGRAMS(B)	WEIGHTS BODY GRAMS(C)	RATIO X100.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					

TABLE

ANALYSIS OF LIVER WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS LIVER MILLIGRAMS(B)	WEIGHTS BODY GRAMS(C)	RATIO X100.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					
0	12	1.142 ± 0.024	27.867 ± 0.426	4.098 ± 0.061	--
80	12	1.340 ± 0.042	30.025 ± 0.405	4.456 ± 0.099	109
162	12	1.130 ± 0.028	24.983 ± 0.405	4.524 ± 0.079	110
325	5	1.182 ± 0.061	26.400 ± 0.195	4.474 ± 0.209	109
750	12	1.547 ± 0.039	27.392 ± 0.359	5.647 ± 0.117	138
1500	12	1.603 ± 0.035	25.925 ± 0.230	6.189 ± 0.143	151
FEMALE					
0	12	0.993 ± 0.019	21.567 ± 0.308	4.610 ± 0.090	--
80	12	0.998 ± 0.027	22.300 ± 0.460	4.468 ± 0.109	97
162	12	1.342 ± 0.038	22.833 ± 0.615	5.883 ± 0.097	128
325	12	1.021 ± 0.025	21.042 ± 0.450	4.862 ± 0.102	105
750	12	1.523 ± 0.050	21.333 ± 0.751	7.171 ± 0.196	156
1500	12	1.144 ± 0.035	18.808 ± 0.455	6.075 ± 0.061	132

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE LIVER WEIGHT FOR EACH ANIMAL BY ITS BODY WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

STATISTICS*

MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.008
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: 80 162 325 750 1500
   INCREASED P≤0.01: 162 750 1500
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.068
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: 162 325 750 1500
   INCREASED P≤0.01: 162 325 750 1500
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

TABLE

ANALYSIS OF RIGHT KIDNEY WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS RIGHT KIDNEY MILLIGRAMS(B)	WEIGHTS BODY GRAMS(C)	RATIO X 1.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					

TABLE
ANALYSIS OF RIGHT KIDNEY WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS: RIGHT KIDNEY MILLIGRAMS(B)	WEIGHTS: BODY GRAMS(C)	RATIO X 1.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					
0	12	225.167 ± 5.139	27.957 ± 0.426	8.080 ± 0.147	--
80	11	251.091 ± 7.783	30.027 ± 0.444	8.357 ± 0.211	103
162	12	233.333 ± 5.761	24.983 ± 0.405	9.334 ± 0.143	116
325	5	205.600 ± 6.577	26.400 ± 0.195	7.787 ± 0.234	96
750	12	244.333 ± 7.526	27.392 ± 0.359	8.909 ± 0.213	110
1500	12	196.750 ± 4.601	25.925 ± 0.230	7.597 ± 0.194	94
FEMALE					
0	12	169.750 ± 2.826	21.567 ± 0.308	7.884 ± 0.153	--
80	12	160.917 ± 5.729	22.300 ± 0.460	7.612 ± 0.184	97
162	12	206.417 ± 4.393	22.833 ± 0.615	9.098 ± 0.280	115
325	12	161.833 ± 5.906	21.042 ± 0.450	7.690 ± 0.230	98
750	12	191.167 ± 6.722	21.333 ± 0.751	8.997 ± 0.264	114
1500	12	133.083 ± 5.463	18.803 ± 0.455	7.051 ± 0.149	89

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE RIGHT KIDNEY WEIGHT FOR EACH ANIMAL BY ITS BODY WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

STATISTICS*

MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: NEGATIVE P VALUE: 0.360
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: NEGATIVE P VALUE: 0.360
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: 1500
   DECREASED P≤0.01: 1500

TABLE
ANALYSIS OF RIGHT TESTIS WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS: RIGHT TESTIS MILLIGRAMS(B)	WEIGHTS: BODY GRAMS(C)	RATIO X 1.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					

TABLE

ANALYSIS OF RIGHT TESTIS WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS: RIGHT TESTIS MILLIGRAMS(B)	WEIGHTS: BODY GRAMS(C)	RATIO X 1.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					
0	12	104.500 ± 5.938	27.867 ± 0.426	3.742 ± 0.196	--
60	12	121.333 ± 1.798	30.025 ± 0.405	4.046 ± 0.068	108
162	12	130.083 ±15.573	24.983 ± 0.405	5.213 ± 0.628	139
325	5	121.400 ± 3.669	26.400 ± 0.195	4.600 ± 0.146	123
750	12	120.500 ± 4.629	27.392 ± 0.359	4.388 ± 0.127	117
1500	12	115.500 ± 2.398	25.925 ± 0.230	4.457 ± 0.094	119

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE RIGHT TESTIS WEIGHT FOR EACH ANIMAL BY ITS BODY WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

STATISTICS*

MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.235
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: 162 750 1500
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: NEGATIVE P VALUE: .
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

TABLE

ANALYSIS OF THYMUS WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS: THYMUS MILLIGRAMS(B)	WEIGHTS: BODY GRAMS(C)	RATIO X 10.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					

TABLE

ANALYSIS OF THYMUS WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS THYMUS MILLIGRAMS(B)	WEIGHTS BODY GRAMS(C)	RATIO X 10.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					
0	12	26.917 ± 2.365	27.867 ± 0.426	9.618 ± 0.695	--
80	11	35.727 ± 3.901	30.027 ± 0.444	11.864 ± 1.247	123
162	12	26.250 ± 1.706	24.983 ± 0.405	10.507 ± 0.655	109
325	5	24.800 ± 2.939	26.400 ± 0.195	9.378 ± 1.080	98
750	12	31.583 ± 2.227	27.392 ± 0.359	11.527 ± 0.784	120
1500	12	33.333 ± 2.577	25.925 ± 0.230	12.867 ± 1.001	134
FEMALE					
0	12	39.750 ± 2.541	21.567 ± 0.308	18.423 ± 1.170	--
80	12	39.583 ± 2.494	22.300 ± 0.460	17.727 ± 1.010	96
162	12	39.083 ± 1.865	22.833 ± 0.615	17.171 ± 0.803	93
325	12	41.667 ± 2.778	21.042 ± 0.450	19.672 ± 0.964	107
750	12	42.083 ± 3.147	21.333 ± 0.751	20.508 ± 1.657	111
1500	12	32.083 ± 1.658	18.808 ± 0.455	17.098 ± 0.860	93

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE THYMUS WEIGHT FOR EACH ANIMAL BY ITS BODY WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

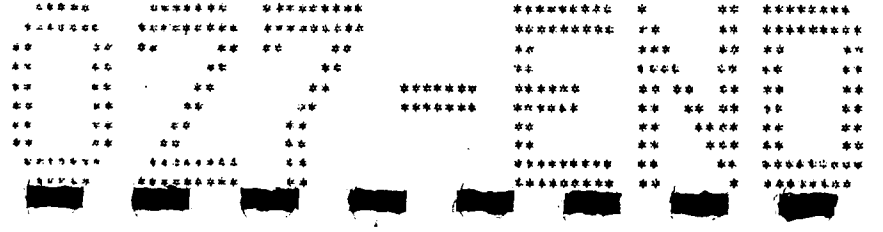
STATISTICS*

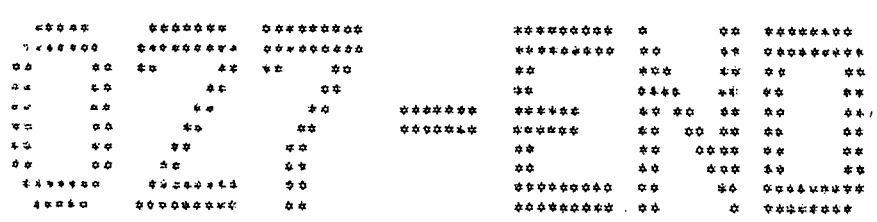
MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.235
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: 1500
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: NEGATIVE P VALUE: 0.500
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE





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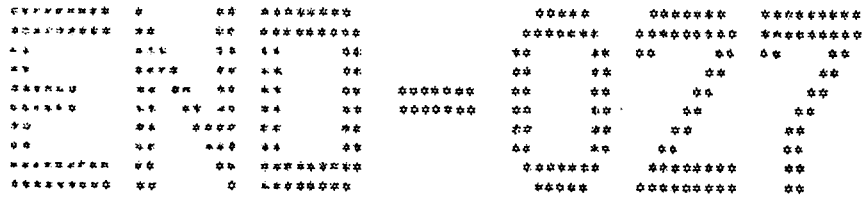


TABLE

ANALYSIS OF LUNG WEIGHT RELATIVE TO BRAIN WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS LUNG MILLIGRAMS(B)	WEIGHTS BRAIN MILLIGRAMS(C)	RATIO X 10.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					
0	12	184.167 ± 9.515	444.083 ± 5.936	4.143 ± 0.173	--
80	11	214.182 ± 8.533	474.545 ± 6.552	4.514 ± 0.172	109
162	12	202.750 ±12.108	462.333 ± 7.870	4.377 ± 0.231	106
325	5	214.400 ± 4.020	477.400 ±12.307	4.501 ± 0.082	109
750	12	205.917 ± 9.780	472.667 ± 9.474	4.371 ± 0.222	106
1500	12	217.583 ±13.594	466.000 ± 5.858	4.676 ± 0.295	113
FEMALE					
0	12	213.750 ± 5.767	480.500 ± 7.685	4.466 ± 0.156	--
80	12	185.583 ± 8.561	464.417 ± 6.599	3.994 ± 0.180	89
162	12	200.667 ± 6.431	489.000 ±11.632	4.134 ± 0.167	93
325	12	205.250 ±10.437	475.417 ± 7.064	4.317 ± 0.214	97
750	12	223.750 ± 9.688	487.833 ± 6.447	4.599 ± 0.211	103
1500	12	175.500 ±16.488	456.583 ± 8.133	3.812 ± 0.310	85

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE LUNG WEIGHT FOR EACH ANIMAL BY ITS BRAIN WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

STATISTICS*

MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.235
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: NEGATIVE P VALUE: 0.500
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: 1500
   DECREASED P≤0.01: NONE

TABLE

ANALYSIS OF HEART WEIGHT RELATIVE TO BRAIN WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS HEART MILLIGRAMS(B)	WEIGHTS BRAIN MILLIGRAMS(C)	RATIO X 10.00(D)	RATIO (%) RELATIVE TO CONTROLS (E)

TABLE

ANALYSIS OF HEART WEIGHT RELATIVE TO BRAIN WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS HEART MILLIGRAMS(B)	WEIGHTS BRAIN MILLIGRAMS(C)	RATIO X 10.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					
0	12	169.750 ± 7.150	444.083 ± 5.936	3.830 ± 0.169	--
80	12	182.667 ± 9.223	471.833 ± 6.568	3.873 ± 0.191	101
162	12	147.750 ± 5.473	462.333 ± 7.870	3.194 ± 0.099	83
325	5	169.200 ±16.424	477.400 ±12.307	3.542 ± 0.324	92
750	12	148.667 ± 4.657	472.667 ± 9.474	3.145 ± 0.075	82
1500	12	174.583 ±10.667	466.000 ± 5.858	3.753 ± 0.239	98
FEMALE					
0	12	136.500 ± 6.308	480.500 ± 7.685	2.838 ± 0.119	--
80	12	143.333 ± 8.272	464.417 ± 6.599	3.101 ± 0.198	109
162	12	129.667 ± 4.768	489.000 ±11.632	2.650 ± 0.071	93
325	12	143.000 ± 6.680	475.417 ± 7.064	3.012 ± 0.144	106
750	12	134.500 ± 4.179	487.833 ± 6.447	2.763 ± 0.096	97
1500	12	135.583 ±12.301	456.583 ± 8.133	2.968 ± 0.264	105

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE HEART WEIGHT FOR EACH ANIMAL BY ITS BRAIN WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

STATISTICS*

MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: NEGATIVE P VALUE: 0.235
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: NEGATIVE P VALUE: 0.500
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

TABLE

ANALYSIS OF LIVER WEIGHT RELATIVE TO BRAIN WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE	NUMBER EXAMINED	WEIGHTS LIVER	WEIGHTS BRAIN	RATIO	RATIO (%) RELATIVE TO CONTROLS (E)

TABLE

ANALYSIS OF LIVER WEIGHT RELATIVE TO BRAIN WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS LIVER MILLIGRAMS(B)	WEIGHTS BRAIN MILLIGRAMS(C)	RATIO X 1000(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					
0	12	1.142 ± 0.024	444.083 ± 5.936	2.574 ± 0.056	--
80	12	1.340 ± 0.042	471.833 ± 6.568	2.840 ± 0.078	110
162	12	1.130 ± 0.028	462.333 ± 7.870	2.453 ± 0.075	95
325	5	1.182 ± 0.061	477.400 ±12.307	2.472 ± 0.081	96
750	12	1.547 ± 0.039	472.667 ± 9.474	3.275 ± 0.060	127
1500	12	1.603 ± 0.035	466.000 ± 5.858	3.450 ± 0.102	134
FEMALE					
0	12	0.993 ± 0.019	480.500 ± 7.685	2.070 ± 0.043	--
80	12	0.998 ± 0.037	464.417 ± 6.599	2.149 ± 0.073	104
162	12	1.342 ± 0.038	489.000 ±11.632	2.759 ± 0.097	133
325	12	1.021 ± 0.025	475.417 ± 7.064	2.148 ± 0.039	104
750	12	1.523 ± 0.050	487.833 ± 6.447	3.126 ± 0.108	151
1500	12	1.144 ± 0.035	456.583 ± 8.133	2.506 ± 0.063	121

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE LIVER WEIGHT FOR EACH ANIMAL BY ITS BRAIN WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

STATISTICS*

MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.136
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: 750 1500
   INCREASED P≤0.01: 750 1500
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.136
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: 162 325 750 1500
   INCREASED P≤0.01: 162 325 750 1500
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

TABLE

ANALYSIS OF RIGHT KIDNEY WEIGHT RELATIVE TO BRAIN WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

[redacted]

TABLE

ANALYSIS OF RIGHT KIDNEY WEIGHT RELATIVE TO BRAIN WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS: RIGHT KIDNEY MILLIGRAMS(B)	WEIGHTS: BRAIN MILLIGRAMS(C)	RATIO X 10.00(D)	RATIO (%) RELATIVE TO CONTROLS (E)
MALE					
0	12	225.167 ± 5.139	444.083 ± 5.936	5.078 ± 0.122	--
80	11	251.091 ± 7.783	474.364 ± 6.639	5.296 ± 0.158	104
162	12	233.333 ± 5.741	462.333 ± 7.870	5.057 ± 0.134	100
325	5	205.600 ± 6.577	477.400 ±12.307	4.305 ± 0.051	85
750	12	244.333 ± 7.526	472.667 ± 9.474	5.165 ± 0.105	102
1500	12	196.750 ± 4.601	466.000 ± 5.858	4.234 ± 0.129	83
FEMALE					
0	12	169.750 ± 2.826	480.500 ± 7.685	3.539 ± 0.065	--
80	12	169.917 ± 5.729	464.417 ± 6.599	3.659 ± 0.115	103
162	12	206.417 ± 4.393	489.000 ±11.632	4.238 ± 0.107	120
325	12	161.833 ± 5.906	475.417 ± 7.064	3.402 ± 0.111	96
750	12	191.167 ± 6.722	487.833 ± 6.447	3.931 ± 0.156	111
1500	12	133.083 ± 5.463	456.583 ± 8.133	2.913 ± 0.101	82

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE RIGHT KIDNEY WEIGHT FOR EACH ANIMAL BY ITS BRAIN WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

STATISTICS*

MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: NEGATIVE P VALUE: 0.136
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: 1500
   DECREASED P≤0.01: 1500

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: NEGATIVE P VALUE: 0.360
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: 1500
   DECREASED P≤0.01: 1500

TABLE

ANALYSIS OF RIGHT TESTIS WEIGHT RELATIVE TO BRAIN WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS: RIGHT TESTIS MILLIGRAMS(B)	WEIGHTS: BRAIN MILLIGRAMS(C)	RATIO X 10.00(D)	RATIO (%) RELATIVE TO CONTROLS (E)

TABLE
ANALYSIS OF RIGHT TESTIS WEIGHT RELATIVE TO BRAIN WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS RIGHT TESTIS MILLIGRAMS(B)	WEIGHTS BRAIN MILLIGRAMS(C)	RATIO X 10.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					
0	12	104.500 ± 5.938	444.083 ± 5.936	2.353 ± 0.130	--
80	12	121.333 ± 1.798	471.833 ± 6.568	2.575 ± 0.044	109
162	12	130.083 ±15.573	462.333 ± 7.870	2.818 ± 0.342	120
325	5	121.400 ± 3.669	477.400 ±12.307	2.546 ± 0.074	108
750	12	120.500 ± 4.629	472.667 ± 9.474	2.545 ± 0.072	108
1500	12	115.500 ± 2.398	466.000 ± 5.858	2.482 ± 0.060	105

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE RIGHT TESTIS WEIGHT FOR EACH ANIMAL BY ITS BRAIN WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

STATISTICS*

MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: NEGATIVE P VALUE: 0.360
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: NEGATIVE P VALUE: .
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

TABLE
ANALYSIS OF THYMUS WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE	NUMBER EXAMINED	WEIGHTS THYMUS	WEIGHTS BODY	RATIO	RATIO (%) RELATIVE TO CONTROLS (E)

TABLE

ANALYSIS OF THYMUS WEIGHT RELATIVE TO BODY WEIGHT
IN MICE IN THE SUBCHRONIC TEST OF DOXYLAMINE

DOSE PPM	NUMBER EXAMINED (A)	WEIGHTS THYMUS MILLIGRAMS(B)	WEIGHTS BODY GRAMS(C)	RATIO X 10.00(D)	RATIO (%) RELATIVE TO CONTROLS (E) (%)
MALE					
0	12	26.917 ± 2.065	27.867 ± 0.426	9.618 ± 0.695	--
80	11	35.727 ± 3.901	30.027 ± 0.444	11.864 ± 1.247	123
162	12	26.250 ± 1.706	24.983 ± 0.405	10.507 ± 0.655	109
325	5	24.800 ± 2.939	26.400 ± 0.195	9.378 ± 1.080	98
750	12	31.583 ± 2.227	27.392 ± 0.359	11.527 ± 0.784	120
1500	12	33.333 ± 2.577	25.925 ± 0.230	12.867 ± 1.001	134
FEMALE					
0	12	39.750 ± 2.541	21.567 ± 0.308	18.423 ± 1.170	--
80	12	39.583 ± 2.494	22.300 ± 0.460	17.727 ± 1.010	96
162	12	39.083 ± 1.865	22.833 ± 0.615	17.171 ± 0.803	93
325	12	41.667 ± 2.778	21.042 ± 0.450	19.672 ± 0.964	107
750	12	43.083 ± 3.147	21.333 ± 0.751	20.508 ± 1.657	111
1500	12	32.083 ± 1.658	18.808 ± 0.455	17.098 ± 0.860	93

(A) NUMBER OF ANIMALS WITH BOTH ORGANS EXAMINED
(B) MEAN WEIGHT OF THE SUBJECT ORGAN AND STANDARD ERROR
(C) MEAN WEIGHT OF THE REFERENCE ORGAN AND STANDARD ERROR
(D) THE MEAN OF THE DIVISION OF THE THYMUS WEIGHT FOR EACH ANIMAL BY ITS BODY WEIGHT AND STANDARD ERROR
(E) THE RATIO (COLUMN D) OF A DOSED GROUP DIVIDED BY THE RATIO OF THE CONTROL GROUP

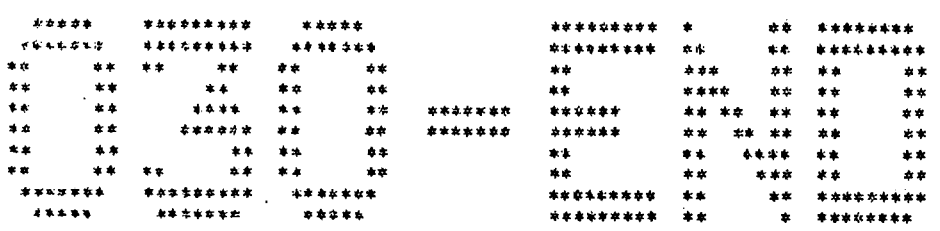
STATISTICS*

MALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: POSITIVE P VALUE: 0.235
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: 1500
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE

FEMALE

1. NONPARAMETRIC REGRESSION OF CHANGES ON DOSES:
   DIRECTION: NEGATIVE P VALUE: 0.500
2. THE CHANGES DIFFERENT FROM THE CONTROLS ARE:
   INCREASED P≤0.05: NONE
   INCREASED P≤0.01: NONE
   DECREASED P≤0.05: NONE
   DECREASED P≤0.01: NONE



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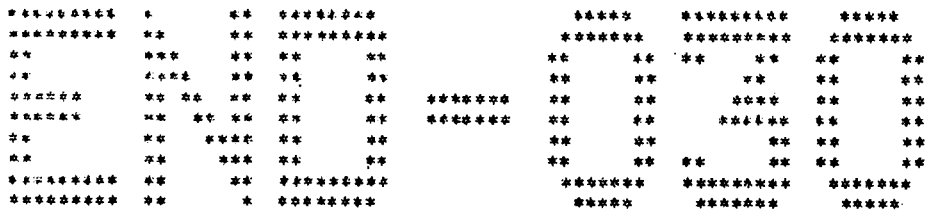

MEMORANDUM

UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES
NATIONAL CENTER FOR TOXICOLOGICAL RESEARCH

Pathology Services
Jefferson, AR
72079

DATE: October 21, 1981

TO: [redacted]

FROM: Chief, Clinical Pathology

SUBJECT: Serum enzymes for Experiment 376

It appears that only the high dose (1500 ppm) had an effect on male and female mice. There appears to be no significant change in aspartate aminotransferase (AST or SGOT) or alanine aminotransferase (ALT or SGPT) at either the median or low dose. The greatest change in activity between treatment and control occurred in ALT. This should correspond with histological lesions in the cytoplasm and loss of cellular membrane integrity.

The volume of serum from mice at the high dose was extremely small. Is this an effect of lower body weight or a toxic result of the chemical which caused a reduced blood volume or extracellular fluid?

In rats, only the males appear to be affected. There is very little, if any, change in the AST and ALT levels in females in any dose group. The greatest change in male rats appears to be in ALT. This same change was noted in both sexes in mice. The higher microsomal protein levels after induction in the male rats could account for a metabolite being the toxic agent instead of the parent drug.

These enzyme changes are consistent with damage to the cytoplasm and cellular membrane. There is no biochemical evidence that damage to organelles, e.g. mitochondria, ribsomes, etc. has occurred.

We have changed our analytical technique for ALT and AST in mouse serum. This should eliminate the problem with QNS samples on the NTP projects.

Sincerely,

[redacted]

[redacted]
Chief, Clinical Pathology

cc: [redacted]

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
DAY_DOSE	4	13OCT81 0 13OCT81 150 15OCT81 325 15OCT81 80

NUMBER OF OBSERVATIONS IN BY GROUP = 48

GROUP	OBS	DEPENDENT VARIABLES
1	41	AST
2	27	ALT

NOTE: VARIABLES IN EACH GROUP ARE CONSISTENT WITH RESPECT TO THE PRESENCE OR ABSENCE OF MISSING VALUES.

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: AST ASPARTATE AMINOTRANSFERASE

[redacted]

ANALYSIS OF ENZYMATIC REACTIONS FOR EXP 376-DOXYLAMINE   8:42 THURSDAY, MARCH 10, 1983   3

SPECIES=MICE   SEX=FEMALE

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: AST   ASPARTATE AMINOTRANSFERASE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	54633.62744518	18211.20914839	24.60	0.0001	0.666056	30.2444
ERROR	37	27391.90767677	740.32182910		STD DEV		AST MEAN
CORRECTED TOTAL	40	82025.53512195			27.20835571		89.96341463

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
DAY_DOSE	3	54633.62744518	24.60	0.0001	3	54633.62744518	24.60	0.0001

79.31111111

TYPE I SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
133705.55071429	23.53	0.0001	3	133705.550714[illegible]		

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ALT ALANINE AMINOTRANSFERASE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	139705.55071429	46235.18357143	23.53	0.0001	0.764232	55.4933
ERROR	23	45197.57595238	1965.11199793		STD DEV		ALT MEAN
CORRECTED TOTAL	26	183903.12666667			44.32958378		79.31111111

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
DAY_DOSE	3	139705.55071429	23.53	0.0001	3	139705.55071429	23.53	0.0001

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ALT ALANINE AMINOTRANSFERASE

SOURCE DF SUM OF SQUARES MEAN SQUARE F VALUE PR > F R-SQUARE

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
DAY_DOSE	4	13OCT81 0 13OCT81 150 15OCT81 325 16OCT81 80

NUMBER OF OBSERVATIONS IN BY GROUP = 48

GROUP	OBS	DEPENDENT VARIABLES
1	44	AST
2	23	ALT

NOTE: VARIABLES IN EACH GROUP ARE CONSISTENT WITH RESPECT TO THE PRESENCE OR ABSENCE OF MISSING VALUES.

ANALYSIS OF ENZYMATIC REACTIONS FOR EXP 376-DOXYLAMINE 8:42 THURSDAY, MARCH 10, 1983 5
SPECIES=MICE SEX=MALE

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: AST ASPARTATE AMINOTRANSFERASE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: AST ASPARTATE AMINOTRANSFERASE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	10994.03037879	3664.67679293	2.37	0.0850	0.150867	48.4227
ERROR	40	61878.17212121	1546.95430303		STD DEV		AST MEAN
CORRECTED TOTAL	43	72872.20250000			39.33133996		81.22500000

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
DAY_DOSE	3	10994.03037879	2.37	0.0850	3	10994.03037879	2.37	0.0850

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ALT ALANINE AMINOTRANSFERASE

[redacted]

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ALT ALANINE AMINOTRANSFERASE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	46742.05516908	15580.68505636	12.40	0.0001	0.661926	55.6011
ERROR	19	23873.20222222	1256.48432749		STD DEV		ALT MEAN
CORRECTED TOTAL	22	70615.25739130			35.44692268		63.75217391

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
DAY_DOSE	3	46742.05516908	12.40	0.0001	3	46742.05516908	12.40	0.0001

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES

OBS	SPECIES	SEX	DAY_DOSE		AST_MEAN	ALT_MEAN	AST_N	ALT_N	AST_SE	ALT_SE
1	MICE	FEMALE	130CT81	0	72.782	22.767	11	3	6.2313	2.8950
2	MICE	FEMALE	130CT81	1500	153.100	198.671	10	7	14.5990	30.8155
3	MICE	FEMALE	150CT81	325	78.156	54.925	9	8	5.7208	9.3868
4	MICE	FEMALE	160CT81	80	59.409	27.000	11	9	3.7929	2.1408
5	MICE	MALE	130CT81	0	82.803	30.500	10	5	10.6516	6.9085
6	MICE	MALE	130CT81	1500	97.900	168.033	11	3	16.8403	34.4272
7	MICE	MALE	150CT81	325	88.267	36.744	12	9	11.3186	6.9378
8	MICE	MALE	160CT81	80	55.436	80.733	11	6	5.5699	23.2827
9	RATS	FEMALE	060CT81	0	53.333	31.308	12	12	1.8060	2.6557
10	RATS	FEMALE	070CT81	6325	56.108	35.908	12	12	1.5359	2.0401
11	RATS	FEMALE	080CT81	1012	60.558	27.750	12	12	1.6828	1.0497
12	RATS	FEMALE	090CT81	162	65.955	34.545	11	11	4.2409	1.1311
13	RATS	MALE	060CT81	0	60.318	33.358	11	12	2.2336	1.1704
14	RATS	MALE	060CT81	6325	71.825	54.700	12	12	3.2139	2.0601
15	RATS	MALE	080CT81	1012	68.450	40.025	12	12	5.2590	1.4786
16	RATS	MALE	090CT81	162	69.664	41.309	11	11	2.9699	0.7303

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS LEVELS VALUES

HEMATOLOGY AND CLINICAL CHEMISTRY RAW DATA

OBS	TMT	DOSE	AN_ID	CID	SPECIES	SEX	AST	ALT	AMY	DATADATE
1	7	0	N	169	MICE	FEMALE	76.8	17	N/A	81286
2	7	0	B	170	MICE	FEMALE	123.2	QNS	N/A	81286
3	7	0	L	171	MICE	FEMALE	63.1	25.2	N/A	81286
4	7	0	R	172	MICE	FEMALE	83.8	QNS	N/A	81286
5	7	0	N	173	MICE	FEMALE	QNS	QNS	N/A	81286
6	7	0	B	174	MICE	FEMALE	76	QNS	N/A	81286
7	7	0	L	175	MICE	FEMALE	67.8	26.1	N/A	81286
8	7	0	R	176	MICE	FEMALE	65.6	QNS	N/A	81286
9	7	0	N	177	MICE	FEMALE	43.6	QNS	N/A	81286
10	7	0	B	178	MICE	FEMALE	84.3	QNS	N/A	81286
11	7	0	L	179	MICE	FEMALE	57.3	QNS	N/A	81286
12	7	0	R	180	MICE	FEMALE	59.1	QNS	N/A	81286
13	7	0	N	145	MICE	MALE	88.8	QNS	N/A	81286
14	7	0	B	146	MICE	MALE	144.3	42.5	N/A	81286
15	7	0	L	147	MICE	MALE	74.6	QNS	N/A	81286
16	7	0	R	148	MICE	MALE	133.3	QNS	N/A	81286
17	7	0	N	149	MICE	MALE	49.8	QNS	N/A	81286
18	7	0	B	150	MICE	MALE	QNS	QNS	N/A	81286
19	7	0	L	151	MICE	MALE	45.4	28.7	N/A	81286
20	7	0	R	152	MICE	MALE	55	17.6	N/A	81286
21	7	0	N	153	MICE	MALE	61.6	QNS	N/A	81286
22	7	0	B	154	MICE	MALE	QNS	QNS	N/A	81286
23	7	0	L	155	MICE	MALE	84.5	14	N/A	81286
24	7	0	R	156	MICE	MALE	90.7	49.7	N/A	81286
25	8	80	N	277	MICE	FEMALE	60.8	QNS	N/A	81286
26	8	80	B	278	MICE	FEMALE	66.9	26.8	N/A	81286
27	8	80	L	279	MICE	FEMALE	63.5	29.6	N/A	81286
28	8	80	R	280	MICE	FEMALE	42.4	QNS	N/A	81286
29	8	80	N	281	MICE	FEMALE	48.4	23.7	N/A	81286
30	8	80	B	282	MICE	FEMALE	64	26.5	N/A	81286
31	8	80	L	283	MICE	FEMALE	79.9	25.4	N/A	81286
32	8	80	R	284	MICE	FEMALE	56.1	24.1	N/A	81286
33	8	80	N	285	MICE	FEMALE	72	40.1	N/A	81286
34	8	80	B	286	MICE	FEMALE	QNS	QNS	N/A	81286
35	8	80	L	287	MICE	FEMALE	37.5	16.1	N/A	81286
36	8	80	R	288	MICE	FEMALE	62	30.3	N/A	81286
37	8	80	N	253	MICE	MALE	62.7	103.5	N/A	81286
38	8	80	B	254	MICE	MALE	43	25.3	N/A	81286
39	8	80	L	255	MICE	MALE	49.7	QNS	N/A	81286
40	8	80	R	256	MICE	MALE	43.2	QNS	N/A	81286
41	8	80	N	257	MICE	MALE	54.5	QNS	N/A	81286
42	8	80	B	258	MICE	MALE	QNS	QNS	N/A	81286
43	8	80	L	259	MICE	MALE	36	QNS	N/A	81286
44	8	80	R	260	MICE	MALE	47.6	36.1	N/A	81286
45	8	80	N	261	MICE	MALE	78.2	52.8	N/A	81286
46	8	80	B	262	MICE	MALE	70.1	149.2	N/A	81286
47	8	80	L	263	MICE	MALE	92	118.5	N/A	81286
48	8	80	R	264	MICE	MALE	32.8	QNS	N/A	81286
49	10	325	N	241	MICE	FEMALE	70.3	QNS	N/A	81286
50	10	325	B	242	MICE	FEMALE	107.4	101.3	N/A	81286
51	10	325	L	243	MICE	FEMALE	QNS	53.7	N/A	81286
52	10	325	R	244	MICE	FEMALE	90.8	85.1	N/A	81286
53	10	325	N	245	MICE	FEMALE	76	46.8	N/A	81286
54	10	325	B	246	MICE	FEMALE	95.3	59	N/A	81286
55	10	325	L	247	MICE	FEMALE	62.4	31.7	N/A	81286

HEMATOLOGY AND CLINICAL CHEMISTRY RAW DATA

OBS	TMT	DOSE	AN_ID	CID	SPECIES	SEX	AST	ALT	AMY	DATADATE
56	10	325	R	248	MICE	FEMALE	51.5	24	N/A	81288
57	10	325	N	249	MICE	FEMALE	QNS	37.8	N/A	81288
58	10	325	B	250	MICE	FEMALE	QNS	QNS	N/A	81288
59	10	325	L	251	MICE	FEMALE	75.3	QNS	N/A	81288
60	10	325	R	252	MICE	FEMALE	74.4	QNS	N/A	81288
61	10	325	N	229	MICE	MALE	76	15.6	N/A	81288
62	10	325	B	230	MICE	MALE	77.6	46.3	N/A	81288
63	10	325	L	231	MICE	MALE	74.6	33.2	N/A	81288
64	10	325	R	232	MICE	MALE	96.2	80.8	N/A	81288
65	10	325	N	233	MICE	MALE	92.7	15.4	N/A	81288
66	10	325	B	234	MICE	MALE	75.5	17.3	N/A	81288
67	10	325	L	235	MICE	MALE	74.4	35.4	N/A	81288
68	10	325	R	236	MICE	MALE	68.5	49.1	N/A	81288
69	10	325	N	237	MICE	MALE	189.6	QNS	N/A	81288
70	10	325	B	238	MICE	MALE	31.2	33.2	N/A	81288
71	10	325	L	239	MICE	MALE	71.8	QNS	N/A	81288
72	10	325	R	240	MICE	MALE	131.1	QNS	N/A	81288
73	12	1500	N	205	MICE	FEMALE	200.6	317.4	N/A	81286
74	12	1500	B	206	MICE	FEMALE	96.2	131.1	N/A	81286
75	12	1500	L	207	MICE	FEMALE	138.1	QNS	N/A	81286
76	12	1500	R	208	MICE	FEMALE	140.5	219.7	N/A	81286
77	12	1500	N	209	MICE	FEMALE	QNS	QNS	N/A	81286
78	12	1500	B	210	MICE	FEMALE	223.3	QNS	N/A	81286
79	12	1500	L	211	MICE	FEMALE	216.4	QNS	N/A	81286
80	12	1500	R	212	MICE	FEMALE	160.4	264.1	N/A	81286
81	12	1500	N	213	MICE	FEMALE	104.9	179.2	N/A	81286
82	12	1500	B	214	MICE	FEMALE	125.9	207.2	N/A	81286
83	12	1500	L	215	MICE	FEMALE	115.7	72	N/A	81286
84	12	1500	R	216	MICE	FEMALE	QNS	QNS	N/A	81286
85	12	1500	N	157	MICE	MALE	51.5	QNS	N/A	81286
86	12	1500	B	158	MICE	MALE	52.1	QNS	N/A	81286
87	12	1500	L	159	MICE	MALE	52.9	QNS	N/A	81286
88	12	1500	R	160	MICE	MALE	70.6	148	N/A	81286
89	12	1500	N	161	MICE	MALE	155.9	235.1	N/A	81286
90	12	1500	B	162	MICE	MALE	63.3	QNS	N/A	81286
91	12	1500	L	163	MICE	MALE	101.8	QNS	N/A	81286
92	12	1500	R	164	MICE	MALE	QNS	QNS	N/A	81286
93	12	1500	N	165	MICE	MALE	71.5	QNS	N/A	81286
94	12	1500	B	166	MICE	MALE	234.2	QNS	N/A	81286
95	12	1500	L	167	MICE	MALE	104.5	121	N/A	81286
96	12	1500	R	168	MICE	MALE	118.6	QNS	N/A	81286
97	1	0	N	25	RATS	FEMALE	57	30.4	N/A	81279
98	1	0	L	26	RATS	FEMALE	57.6	27.2	N/A	81279
99	1	0	R	27	RATS	FEMALE	58.8	26.9	N/A	81279
100	1	0	N	28	RATS	FEMALE	52.1	28.7	N/A	81279
101	1	0	L	29	RATS	FEMALE	59.5	25.8	N/A	81279
102	1	0	R	30	RATS	FEMALE	53.8	26.4	N/A	81279
103	1	0	N	31	RATS	FEMALE	43.6	19.6	N/A	81279
104	1	0	L	32	RATS	FEMALE	50.6	23.9	N/A	81279
105	1	0	R	33	RATS	FEMALE	48.9	30.2	N/A	81279
106	1	0	N	34	RATS	FEMALE	47.5	40.3	N/A	81279
107	1	0	L	35	RATS	FEMALE	46.2	44	N/A	81279
108	1	0	R	36	RATS	FEMALE	64.4	41.3	N/A	81279
109	1	0	N	1	RATS	MALE	67.4	39.2	N/A	81279
110	1	0	L	2	RATS	MALE	66.8	31.8	N/A	81279

HEMATOLOGY AND CLINICAL CHEMISTRY RAW DATA

OBS	TMT	DOSE	AN_ID	CID	SPECIES	SEX	AST	ALT	AMY	DATADATE
1	7	0	N	169	MICE	FEMALE	76.8	17	N/A	81286
2	7	0	B	170	MICE	FEMALE	123.2	QNS	N/A	81286
3	7	0	L	171	MICE	FEMALE	63.1	25.2	N/A	81286
4	7	0	R	172	MICE	FEMALE	83.8	QNS	N/A	81286
5	7	0	N	173	MICE	FEMALE	QNS	QNS	N/A	81286
6	7	0	R	174	MICE	FEMALE	76	QNS	N/A	81286
7	7	0	L	175	MICE	FEMALE	67.8	26.1	N/A	81286
8	7	0	R	176	MICE	FEMALE	65.6	QNS	N/A	81286
9	7	0	N	177	MICE	FEMALE	43.6	QNS	N/A	81286
10	7	0	B	178	MICE	FEMALE	84.3	QNS	N/A	81286
11	7	0	L	179	MICE	FEMALE	57.3	QNS	N/A	81286
12	7	0	R	180	MICE	FEMALE	59.1	QNS	N/A	81286
13	7	0	N	145	MICE	MALE	88.8	QNS	N/A	81286
14	7	0	B	146	MICE	MALE	144.3	42.5	N/A	81286
15	7	0	L	147	MICE	MALE	74.6	QNS	N/A	81286
16	7	0	R	148	MICE	MALE	133.3	QNS	N/A	81286
17	7	0	N	149	MICE	MALE	49.8	QNS	N/A	81286
18	7	0	B	150	MICE	MALE	QNS	QNS	N/A	81286
19	7	0	L	151	MICE	MALE	45.4	28.7	N/A	81286
20	7	0	R	152	MICE	MALE	55	17.6	N/A	81286
21	7	0	N	153	MICE	MALE	61.6	QNS	N/A	81287
22	7	0	B	154	MICE	MALE	QNS	QNS	N/A	81286
23	7	0	L	155	MICE	MALE	84.5	14	N/A	81286
24	7	0	R	156	MICE	MALE	90.7	49.7	N/A	81286
25	8	80	N	277	MICE	FEMALE	60.8	QNS	N/A	81289
26	8	80	B	278	MICE	FEMALE	66.9	26.8	N/A	81289
27	8	80	L	279	MICE	FEMALE	63.5	29.6	N/A	81289
28	8	80	R	280	MICE	FEMALE	42.4	QNS	N/A	81289
29	8	80	N	281	MICE	FEMALE	48.4	23.7	N/A	81289
30	8	80	B	282	MICE	FEMALE	64	26.5	N/A	81289
31	8	80	L	283	MICE	FEMALE	79.9	25.4	N/A	81289
32	8	80	R	284	MICE	FEMALE	56.1	24.1	N/A	81289
33	8	80	N	285	MICE	FEMALE	72	40.1	N/A	81289
34	8	80	B	286	MICE	FEMALE	QNS	QNS	N/A	81289
35	8	80	L	287	MICE	FEMALE	37.5	16.1	N/A	81289
36	8	80	R	288	MICE	FEMALE	62	30.3	N/A	81289
37	8	80	N	253	MICE	MALE	62.7	103.5	N/A	81289
38	8	80	B	254	MICE	MALE	43	25.3	N/A	81289
39	8	80	L	255	MICE	MALE	49.7	QNS	N/A	81289
40	8	80	R	256	MICE	MALE	43.2	QNS	N/A	81289
41	8	80	N	257	MICE	MALE	54.5	QNS	N/A	81289
42	8	80	B	258	MICE	MALE	QNS	QNS	N/A	81289
43	8	80	L	259	MICE	MALE	36	QNS	N/A	81289
44	8	80	R	260	MICE	MALE	47.6	36.1	N/A	81289
45	8	80	N	261	MICE	MALE	78.2	52.8	N/A	81289
46	8	80	B	262	MICE	MALE	70.1	148.2	N/A	81289
47	8	80	L	263	MICE	MALE	92	118.5	N/A	81289
48	8	80	R	264	MICE	MALE	32.8	QNS	N/A	81289
49	10	325	N	241	MICE	FEMALE	70.3	QNS	N/A	81288
50	10	325	B	242	MICE	FEMALE	107.4	101.3	N/A	81288
51	10	325	L	243	MICE	FEMALE	QNS	53.7	N/A	81288
52	10	325	R	244	MICE	FEMALE	90.8	85.1	N/A	81288
53	10	325	N	245	MICE	FEMALE	76	46.8	N/A	81288
54	10	325	B	246	MICE	FEMALE	95.3	59	N/A	81288
55	10	325	L	247	MICE	FEMALE	62.4	31.7	N/A	81288

HEMATOLOGY AND CLINICAL CHEMISTRY RAW DATA

OBS	TMT	DOSE	AN_ID	CID	SPECIES	SEX	AST	ALT	AMY	DATADATE
56	10	325	R	248	MICE	FEMALE	51.5	24	N/A	81288
57	10	325	N	249	MICE	FEMALE	QNS	37.8	N/A	81288
58	10	325	B	250	MICE	FEMALE	QNS	QNS	N/A	81288
59	10	325	L	251	MICE	FEMALE	75.3	QNS	N/A	81288
60	10	325	R	252	MICE	FEMALE	74.4	QNS	N/A	81288
61	10	325	N	229	MICE	MALE	76	15.6	N/A	81288
62	10	325	B	230	MICE	MALE	77.6	46.3	N/A	81288
63	10	325	L	231	MICE	MALE	74.6	33.2	N/A	81288
64	10	325	R	232	MICE	MALE	96.2	80.8	N/A	81288
65	10	325	N	233	MICE	MALE	92.7	15.4	N/A	81288
66	10	325	B	234	MICE	MALE	75.5	17.3	N/A	81288
67	10	325	L	235	MICE	MALE	74.4	35.4	N/A	81288
68	10	325	R	236	MICE	MALE	68.5	49.1	N/A	81288
69	10	325	N	237	MICE	MALE	189.6	QNS	N/A	81288
70	10	325	B	238	MICE	MALE	31.2	33.2	N/A	81288
71	10	325	L	239	MICE	MALE	71.8	QNS	N/A	81288
72	10	325	R	240	MICE	MALE	131.1	QNS	N/A	81288
73	12	1500	N	205	MICE	FEMALE	200.6	317.4	N/A	81286
74	12	1500	B	206	MICE	FEMALE	96.2	131.1	N/A	81286
75	12	1500	L	207	MICE	FEMALE	138.1	QNS	N/A	81286
76	12	1500	R	208	MICE	FEMALE	149.5	219.7	N/A	81286
77	12	1500	N	209	MICE	FEMALE	QNS	QNS	N/A	81286
78	12	1500	B	210	MICE	FEMALE	223.3	QNS	N/A	81286
79	12	1500	L	211	MICE	FEMALE	216.4	QNS	N/A	81286
80	12	1500	R	212	MICE	FEMALE	160.4	264.1	N/A	81286
81	12	1500	N	213	MICE	FEMALE	104.9	179.2	N/A	81286
82	12	1500	B	214	MICE	FEMALE	125.9	207.2	N/A	81286
83	12	1500	L	215	MICE	FEMALE	115.7	72	N/A	81286
84	12	1500	R	216	MICE	FEMALE	QNS	QNS	N/A	81286
85	12	1500	N	157	MICE	MALE	51.5	QNS	N/A	81286
86	12	1500	B	158	MICE	MALE	52.1	QNS	N/A	81286
87	12	1500	L	159	MICE	MALE	52.9	QNS	N/A	81286
88	12	1500	R	160	MICE	MALE	70.6	148	N/A	81286
89	12	1500	N	161	MICE	MALE	155.9	235.1	N/A	81286
90	12	1500	B	162	MICE	MALE	63.3	QNS	N/A	81286
91	12	1500	L	163	MICE	MALE	101.8	QNS	N/A	81286
92	12	1500	R	164	MICE	MALE	QNS	QNS	N/A	81286
93	12	1500	N	165	MICE	MALE	71.5	QNS	N/A	81286
94	12	1500	B	166	MICE	MALE	234.2	QNS	N/A	81286
95	12	1500	L	167	MICE	MALE	104.5	121	N/A	81286
96	12	1500	R	168	MICE	MALE	118.6	QNS	N/A	81286
97	1	0	N	25	RATS	FEMALE	57	30.4	N/A	81279
98	1	0	L	26	RATS	FEMALE	57.6	27.2	N/A	81279
99	1	0	R	27	RATS	FEMALE	58.8	26.9	N/A	81279
100	1	0	N	28	RATS	FEMALE	52.1	29.7	N/A	81279
101	1	0	L	29	RATS	FEMALE	59.5	25.8	N/A	81279
102	1	0	R	30	RATS	FEMALE	53.8	26.4	N/A	81279
103	1	0	N	31	RATS	FEMALE	43.6	19.6	N/A	81279
104	1	0	L	32	RATS	FEMALE	50.6	23.9	N/A	81279
105	1	0	R	33	RATS	FEMALE	48.9	30.2	N/A	81279
106	1	0	N	34	RATS	FEMALE	47.5	49.3	N/A	81279
107	1	0	L	35	RATS	FEMALE	46.2	46	N/A	81279
108	1	0	R	36	RATS	FEMALE	64.4	41.3	N/A	81279
109	1	0	N	1	RATS	MALE	67.4	39.2	N/A	81279
110	1	0	L	2	RATS	MALE	66.8	31.8	N/A	81279

HEMATOLOGY AND CLINICAL CHEMISTRY RAW DATA

OBS	TMT	DOSE	AN_ID	CID	SPECIES	SEX	AST	ALT	AMY	DATADATE
111	1	0	R	3	RATS	MALE	62.3	31.5	N/A	81279
112	1	0	N	4	RATS	MALE	54.4	29.8	N/A	81279
113	1	0	L	5	RATS	MALE	58.1	27.4	N/A	81279
114	1	0	R	6	RATS	MALE	59.1	30.7	N/A	81279
115	1	0	N	7	RATS	MALE	67.3	39.2	N/A	81279
116	1	0	L	8	RATS	MALE	QNS	35.6	N/A	81279
117	1	0	R	9	RATS	MALE	61.8	38	N/A	81279
118	1	0	N	10	RATS	MALE	69.3	37.4	N/A	81279
119	1	0	L	11	RATS	MALE	48.1	29.6	N/A	81279
120	1	0	R	12	RATS	MALE	48.9	31.1	N/A	81279
121	2	162	N	121	RATS	FEMALE	89.3	43.5	N/A	81282
122	2	162	L	122	RATS	FEMALE	62.5	33.5	N/A	81282
123	2	162	R	123	RATS	FEMALE	53.3	38.3	N/A	81282
124	2	162	N	124	RATS	FEMALE	74	35	N/A	81282
125	2	162	L	125	RATS	FEMALE	39.1	31	N/A	81282
126	2	162	R	126	RATS	FEMALE	QNS	QNS	N/A	81282
127	2	162	N	127	RATS	FEMALE	73.5	34.8	N/A	81282
128	2	162	L	128	RATS	FEMALE	72.4	33.8	N/A	81282
129	2	162	R	129	RATS	FEMALE	64.2	30	N/A	81282
130	2	162	N	130	RATS	FEMALE	57.2	33.8	N/A	81282
131	2	162	L	131	RATS	FEMALE	58.5	35	N/A	81282
132	2	162	R	132	RATS	FEMALE	81.5	31.3	N/A	81282
133	2	162	N	109	RATS	MALE	61	30.5	N/A	81282
134	2	162	L	110	RATS	MALE	69.8	36.3	N/A	81282
135	2	162	R	111	RATS	MALE	79.4	40.5	N/A	81282
136	2	162	N	112	RATS	MALE	70.7	43	N/A	81282
137	2	162	L	113	RATS	MALE	80.4	44	N/A	81282
138	2	162	R	114	RATS	MALE	71.5	42	N/A	81282
139	2	162	N	115	RATS	MALE	QNS	QNS	N/A	81282
140	2	162	L	116	RATS	MALE	57.8	44	N/A	81282
141	2	162	R	117	RATS	MALE	87.2	41.5	N/A	81282
142	2	162	N	118	RATS	MALE	55	40.8	N/A	81282
143	2	162	L	119	RATS	MALE	66.3	39	N/A	81282
144	2	162	R	120	RATS	MALE	67.2	43.8	N/A	81282
145	4	1012	N	97	RATS	FEMALE	58.9	31	N/A	81281
146	4	1012	L	98	RATS	FEMALE	71	25.5	N/A	81281
147	4	1012	R	99	RATS	FEMALE	54.4	21	N/A	81281
148	4	1012	N	100	RATS	FEMALE	66.8	29.8	N/A	81281
149	4	1012	L	101	RATS	FEMALE	63.9	29.8	N/A	81281
150	4	1012	R	102	RATS	FEMALE	57	28.5	N/A	81281
151	4	1012	N	103	RATS	FEMALE	55.7	26.3	N/A	81281
152	4	1012	L	104	RATS	FEMALE	59.7	27.8	N/A	81281
153	4	1012	R	105	RATS	FEMALE	67.8	31.5	N/A	81281
154	4	1012	N	106	RATS	FEMALE	57.1	33.8	N/A	81281
155	4	1012	L	107	RATS	FEMALE	52.2	26	N/A	81281
156	4	1012	R	108	RATS	FEMALE	62.2	23	N/A	81281
157	4	1012	N	85	RATS	MALE	78.7	40.3	N/A	81281
158	4	1012	L	86	RATS	MALE	50.3	38	N/A	81281
159	4	1012	R	87	RATS	MALE	59.6	38.8	N/A	81281
160	4	1012	N	88	RATS	MALE	54.8	37.8	N/A	81281
161	4	1012	L	89	RATS	MALE	62.7	33.8	N/A	81281
162	4	1012	R	90	RATS	MALE	63.5	36	N/A	81281
163	4	1012	N	91	RATS	MALE	50.5	38	N/A	81281
164	4	1012	L	92	RATS	MALE	80.9	47.8	N/A	81281
165	4	1012	R	93	RATS	MALE	114.3	52	N/A	81281

HEMATOLOGY AND CLINICAL CHEMISTRY RAW DATA

OBS	TMT	DOSE	AN_ID	CID	SPECIES	SEX	AST	ALT	AMY	DATADATE
166	4	1012	N	94	RATS	MALE	57.6	40.5	N/A	81281
167	4	1012	L	95	RATS	MALE	82.3	41	N/A	81281
168	4	1012	R	96	RATS	MALE	66.2	36.3	N/A	81281
169	6	6325	N	49	RATS	FEMALE	53.9	36.3	N/A	81280
170	6	6325	L	50	RATS	FEMALE	54.1	35	N/A	81280
171	6	6325	R	51	RATS	FEMALE	53	45.3	N/A	81280
172	6	6325	R	52	RATS	FEMALE	56.8	43.8	N/A	81280
173	6	6325	L	53	RATS	FEMALE	57.5	37	N/A	81280
174	6	6325	N	54	RATS	FEMALE	50.3	19.3	N/A	81280
175	6	6325	N	55	RATS	FEMALE	55	33.3	N/A	81280
176	6	6325	L	56	RATS	FEMALE	58.9	29.8	N/A	81280
177	6	6325	R	57	RATS	FEMALE	66.3	37.8	N/A	81280
178	6	6325	N	58	RATS	FEMALE	57.1	37.5	N/A	81280
179	6	6325	L	59	RATS	FEMALE	63.6	43.5	N/A	81280
180	6	6325	R	60	RATS	FEMALE	46.8	32.3	N/A	81280
181	6	6325	N	13	RATS	MALE	84.1	62.7	N/A	81279
182	6	6325	L	14	RATS	MALE	86.4	71.1	N/A	81279
183	6	6325	R	15	RATS	MALE	73.1	50.4	N/A	81279
184	6	6325	N	16	RATS	MALE	74.7	55.2	N/A	81279
185	6	6325	L	17	RATS	MALE	83.4	57.3	N/A	81279
186	6	6325	R	18	RATS	MALE	74.5	54	N/A	81279
187	6	6325	N	19	RATS	MALE	65.9	48	N/A	81279
188	6	6325	L	20	RATS	MALE	49.5	45.6	N/A	81279
189	6	6325	R	21	RATS	MALE	58	48.3	N/A	81279
190	6	6325	N	22	RATS	MALE	73.9	55.8	N/A	81279
191	6	6325	L	23	RATS	MALE	76.5	57.9	N/A	81279
192	6	6325	R	24	RATS	MALE	61.9	50.1	N/A	81279

N=192

[redacted]

NTP
EXPERIMENT: 05010 TEST: 02

TEST TYPE: SUBCHRON 90-DAY

CLINICAL OBSERVATION
DOXYLAMINE

ROUTE: ORAL FOOD

REPORT: EISRPT23
DATE: 09/14/82
TIME: 09:54:12
PAGE: 1

NTP: IC195E
CAS: 000469216
CONT:

SPECIES	STRAIN	SEX
MICE	B6C3F1	FEMALE

	CONTROL AW	80 PPM GG	162 PPM GR	325 PPM DN	750 PPM DQ	1500 PPM DU
OBSERVATION	OBS/TST	OBS/TST	OBS/TST	OBS/TST	OBS/TST	OBS/TST
NORMAL	012/012 DAY 1	012/012 DAY 1	012/012 DAY 1	012/012 DAY 1	012/012 DAY 1	012/012 DAY 1
SKINNY	000/012	001/012 DAY 8	000/012	002/012 DAY 8	001/012 DAY 8	003/012 DAY 8

NATIONAL CENTER FOR TOXICOLOGICAL RESEARCH

FINAL REPORT

EXPERIMENT NO. 376, DOXYLAMINE, 90-DAY STUDY

IN $B6C3F_1$ MICE

APPENDIX D

LIST OF STANDARD OPERATING PROCEDURES

LIST OF OPERATING PROCEDURES

Methods and standard operating procedures used during conduct of the experiment are listed below.

Animal Husbandry Standard Operating Procedures

Building 6 - General Duties

Building 6 - Rack Washers

Building 6 - Autoclave #1 - Steam Only

Building 6 - Autoclave #2 - Panel #1 - Steam Only

Building 6 - Autoclaves # 1 and #2 - Cycle Times

Building 6 - Autoclave Loading Diagram

Building 6 - Autoclave Loading Diagram

Building 6 - Autoclave #2 - Gas Only

Building 6 - Isolator Rooms

Building 6 - Autoclave #3 - Manual Operation

Building 6 - Autoclave #3 - Control Panel

Building 6 - Autoclave #3 - Automatic Operation

Building 6 - Autoclave #3 - Cycle Times

Building 6 - Sterile Transfer

Building 6 - Nacconal (Wetting Agent)

Building 6 - Isolator Dip Tank Solution

Building 6 - Peracetic Acid Use

Building 6 - 2% Peracetic Acid

Building 6 - Rat Inbreeding (Room 128)

Building 6 - Rat Inbreeding (Room 129)

Building 6 - Load Scheme for Pellet Feed Containers

Building 6 - Entrance/Exit of Personnel, Equipment, Supplies, Animals

Building 6 - Entries in Room Log Books

Building 6 - Steam Console ID

Building 6 - Gas Console ID

Building 6 - Water Information

Building 14 - Rack Washer

Building 14 - Rack Washer Maintenance

Building 14 - Bottle Washer

Building 14 - Cage Tunnel Washer

Building 14 - Tunnel Washer Maintenance

Building 14 - Changing Millipore Filter

Building 14 - Steam Kettle

Building 14 - Thermo-King

Building 14 - Water Information

Building 14 - Hypochlorite Solution

Building 14 - Feeder Dump Station

Building 14 - Environmental Water

"A" Barrier - Cage Check for Experimental Rooms

"A" Barrier - Detergents & Germicidal Solutions

"A" Barrier - Wipe Test

"A" Barrier - Cage Card Information

"A" Barrier - Hypochlorite Solution

Experimental Animal Room - Quarterly Clean-up

Experimental Animal Room - Spill Clean-up Procedures for Hazardous Compounds

Experimental Animal Room - General Housekeeping

Gavage

Experimental Information System Terminal Operators Manual

Diet Analysis Branch Standard Operating Procedures

Analysis of Heavy Metals in Potable Water

Analysis for Chloroform in Potable Water

Analysis for Organochlorine and Organophosphate Pesticides and Polychlorinated Biphenyls (PCBs) in Potable Water

Analysis for Cadmium and Lead in Animal Feed

Analysis for Mercury in Animal Feed

Fluoremetric Microdetermination of Selenium in Animal Feed

Analysis for Arsenic in Animal Feed

Bioassay of Feed Lots for Estrogen Activity

Analysis for Nitrosamines (DMN, DEN, and DPN) in Animal Feed

Analysis for Total Protein in Animal Feed

Analysis of Animal Feed for Vitamin B_1 (Thiamine)

Analysis for Total Fat Content in Animal Feed

Analysis for Vitamin A in Animal Chow

Analysis for Aflatoxin in Animal Chow

Particle Size Analysis of Hardwood Chips and Animal Chow

Analysis of Organochlorinated Pesticides, Organophosphate Pesticides, and Polychlorinated Biphenyls (PCBs) in Animal Feed, Hardwood Chips, and Cardboard

Moisture Analysis of Animal Feed and/or Animal Bedding

Analysis of Pentachlorophonol in Hardwood Chips and Cardboard

Analysis for Organochlorinated Pesticides, Organophosphate Pesticides, and Polychlorinated Biphenyls (PCBs) in Oil (Corn oil, Sunflower Seed Oil, etc.)

Mailing Samples to the Contractor

Analytical Quality Control Procedure for the Diet Analysis Branch

Surface Swabs for Workplace Monitoring

Sample Receiving, Sample Handling, Data Entry, and Distribution of Reports

Chemistry Data Subsystem Terminal Operation Procedures

Diet Preparation Standard Operating Procedures

Standard Operating Procedure for Feed Control and Accounting

User's Manual: Sample Identification (SID) Card Preparation Procedures

Standard Operating Procedure: Purchase of Animal Feed

Standard Operating Procedure for the Preparation of Sterilized Feeds in Bulk

Standard Operating Procedure for Processing, Packing, and Distribution of Sterilized Feeds

Standard Operating Procedure to Sterilize Milk Cans, Six-pack Trays, Rubber Bands, and Feeder Boxes

Housekeeping Procedures

Microbiology Standard Operating Procedures

Microbiological Support Function

Identification of Specimens for Microbiological Surveillance

Packaging and Handling of Animal and Non-Animal Specimens Received for Microbiological Survey

Guidelines for Acceptable Microbiological Contamination Levels in Surveillance Specimens

Process of Sterilized Bedding or Feed

Processed Water (heated, filtered, distilled, or acidified)

Bedding and Feed Shipment Lot (autoclavable and non-autoclavable)

Steam and Gas Sterilization Systems

Certification of Water Bottle Washer for Operational Efficiency

Certification of Animal Cage Washer for Operational Efficiency

Certification of Rack Washer for Operational Efficiency

Certification of Biological Indicators for Steam and Gas Sterilization Systems

Calibration and Standardization of Laboratory Equipment and Instruments

Identification of Bacteria by Analytical Profile Index (API) 20E System

Automicrobic System (AMS)

Identification of Pseudomonas aeruginosa Using Fluorescent Antibody (FA) Technique

Reagents and Solutions

Microbiology Support Functions (frequency rate schedule and type of specimens tested)

Guidelines for Using Biological and Chemical Indicators in Sterilizers

Potential Pathogens (bacteria, ectoparasites, endoparasites, and fungi)

Information Required for Log-In Microbiological Survey Samples in the Data Bank

Terminal Operation Procedures for Diagnostic Log-In and Data Collection (Non-Animal) Systems

Sample Identification (SID) Card Preparation Procedure

Terminal Operation Procedures for the Bacteriology, Mycology, Parasitology, and Virology Subsystems (using CID cards)

Microbiology Data Bank Display File

Microbiology Reports

Bacteriology Laboratory Data Sheets

Laboratory Equipment and Instruments Requiring Standardization and Calibration

Pathology Standard Operating Procedures

Receiving Laboratory

Necropsy Laboratory

Processing Laboratory

Histology Laboratory

Office of Data Liaison and Verification

Tissues Screening Laboratory

Block and Slide Storage

NATIONAL CENTER FOR TOXICOLOGICAL RESEARCH

FINAL REPORT

EXPERIMENT NO. 376, DOXYLAMINE, 90-DAY STUDY

IN $B6C3F_1$ MICE

APPENDIX E

VERIFICATION MEMO

PRI Program Resources, Inc.
National Center for Toxicological Research
Jefferson, Arkansas 72079

TO: [redacted]

FROM: [redacted]
Data Verification

DATE: June 9, 1982

SUBJECT: Experiment 376 - Final Memo
NTP Experiment 5010-02

The data for this experiment is verified and the Pathology Data Base for the CID's can be "locked out" to prevent further modification.

[redacted]

HFT-310
HFT-40
HFT-1
HFT-310
HFT-300
HFT-310
HFT-310
HFT-903
HFT-903

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NATIONAL CENTER FOR TOXICOLOGICAL RESEARCH

FINAL REPORT

EXPERIMENT NO. 376, DOXYLAMINE, 90-DAY STUDY

IN $B6C3F_1$ MICE

APPENDIX F

QUALITY ASSURANCE REPORTS

MEMORANDUM

DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
FOOD AND DRUG ADMINISTRATION

DATE: May 12, 1983

TO: Principal Investigator,
Experiment 376; NTP No. 5010-02

FROM: Investigator, Quality Assurance
and Safety Staff (HFT-40)

SUBJECT: Database Corrections Submitted to DTDMS

Reference: [redacted]'s memo to PI dated 11/23/81, subject: Possible Errors/Discrepancies Between EIS and EDCS on NTP 5010-02, NCTR E-376 (approved by PI on 05/12/82, with marked corrections; and approved by QA on 05/13/83). See attachment.

During the conduct of a data audit on E-376, the above memo was encountered; the approved corrections were compared against the EIS database via a printout: "Animals Removed From Experiment (EISRPT01)" dated 05/10/83.

Following the memo item-by-item, the QA findings are:

1. Removal Reason for Serial Sacrifice was corrected to Terminal Sacrifice for all 288 animals as recommended/approved.

2. 3 mice from each cage had conflicting earclips between EIS and EDCS, i.e. EIS was "N, L, R, and B", while EDCS was "N, B, L, and R". These were corrected as recommended/approved.

3. CID's 28, 29, 52, 54, 76 and 78 had conflicting earclips (rats) between EIS and EDCS. These were corrected as recommended/approved.

4. 105 CID's were listed with EIS terminal weights different from Pathology EDCS receiving weights. [redacted] instruction was for the PI to underline the correct weight -- this the PI did. The problems discovered in my review are:

CID #	PI Correction Weight	Database Weight
** 73	420.0	418.0
** 97	206.5	206.4
* 167	26.5	28.1
* 166	26.6	28.4
* 254	32.4	34.4
* 259	32.3	35.8
* 260	30.4	33.9
* 258	30.6	33.6
* 261	30.0	33.2
* 263	29.1	34.1

CID #	PI Correction Weight	Database Weight
* 264	28.6	33.4
** 262	30.0	34.3
* 265	22.0	25.0
* 267	21.7	24.7
* 268	21.1	23.8
* 266	22.4	25.5
* 269	22.0	24.8
* 271	22.6	25.2
* 272	29.1	32.2
* 270	22.8	26.2
* 275	24.5	26.0
* 276	22.9	25.4
* 177	23.6	27.1
* 277	26.4	29.3
* 279	21.4	24.2
* 280	22.6	25.8
* 283	22.9	25.5
* 284	22.4	26.3
* 285	22.8	26.2
* 287	22.6	25.4
* 288	20.8	23.9
* 286	22.5	25.3

* = were never changed

** = were changed to a weight other than that approved by the PI

5. These weight differences may have no effect on final report generation; however, the stated discrepancies ([redacted] memo) and the fact that they were never changed needs to be documented and the PI informed (thus this memo). Also, a document is needed from the PI as to why one weight was selected over the other. CID's 73, 97 and 262 need to be explained as to where the third weight came from. QA needs this documentation.

[redacted]

9/5/13

TO: [redacted]

FROM: [redacted]

DATE: November 23, 1981

Approved [redacted] Date 5/13/82
Disapproved _____ Date _____
Principal Investigator

[redacted]

Reviewed By [redacted] Date 5-13-82
Quality Assurance Director

[redacted]

SUBJECT: Possible Errors/Discrepancies between EIS and EDCS on NTP Study 05010-02, NCTR Experiment # 376

Discrepancies between EDCS and EIS were noted at the completion of this experiment. We feel these should be brought to your attention so a decision can be made to either make changes to the appropriate data base or leave "as is". Any authorized amendements to the data will be made by User Services pending your approval of this memo.

1. Animals on EDCS exhibit a Removal Reason of Serial Sacrifice. The correct Removal Reason is Terminal Sacrifice. Removal Reason on EDCS should be corrected to reflect Terminal Sacrifice.

2. Three mice from each cage have conflicting ear clips between EIS and EDCS. Ear clips were entered on EIS as none, left, right, and both. They were entered an EDCS as none, both left, and right. The CID's on EIS will be changed to match EDCS's Data Base by User Services.

3. CIS's (28, 29) (76,78) (52, 54) have conflicting ear clips between EIS and EDCS. The CID's on EIS will be changed to match EDCS's Data Base by User Services.

4. The following CID's exhibit weight discrepancies between EDCS and EIS that exceed allowable weight loss range. The animals were fasted. Please underline the correct weight.

CID	Animal Room Removal EIS	Pathology EDCS
73	? 418.0 X 430.0	420.0 — 393.1
75	417.5	389.7
77	372.7	350.1
79	418.6	393.1
80	382.9	361.1
81	365.5	337.4
82	345.3	324.0
83	377.1	356.0
40	355.5	335.3
42	376.1	350.8
43	356.3	335.1

18 Ear Rays reversed

CID	Animal Room Removal EIS		Pathology EDCS	
111	407.4		387.1	
113	403.2		381.5	
114	390.1		365.0	
115	374.8		349.4	
116	360.6		340.5	
120	430.4		410.0	
81	365.5 * 397.6		375.1	— 365.5 Correct
86	416.3		396.1	
89	367.5		347.4	
91	424.1		401.9	
92	394.5		367.0	
93	375.2		354.4	
95	404.5		375.4	
97	206.4 * 20.5		191.6	— 206.5 Correct
105	192.9		160.7	
228	27.0		24.5	
188	31.5		28.8	
186	30.5		27.6	
189	28.8		26.3	
192	29.1		26.4	
190	30.8		28.0	
145	31.3		28.1	
147	30.3		27.5	
148	28.9		24.8	
146	31.6		27.5	
149	32.6		30.0	
151	31.1		27.8	
152	33.1		30.0	
150	31.6		28.7	
155	29.6		26.1	
154	31.9		28.7	
157	29.9		26.5	
160	29.3		26.8	
158	29.3		26.6	
161	28.0		25.3	
163	28.4		25.0	
164	30.3		27.6	
165	28.1		25.3	
167	? 28.1 — 28.1	— 26.5	— 25.5	
166	? 28.4 — 28.4	— 26.6	— 25.6	
253	35.7		32.5	
255	32.0		29.0	
254	? 34.4 — 34.4	— 32.4	— 31.4	
257	31.7		28.3	
259	35.8		32.3	
260	? 33.9 33.9	— 30.4	— 29.4	

CID		Animal Room Removal EIS		Pathology EDCS
258		33.6		30.6
261		33.2		30.0
263		34.1		29.1
264		33.4		29.6
262	34.3 *	34.2		30.0
265		25.0		22.0
267		24.7		21.7
268	? 23.8	23.8	21.1	20.6
266		25.5		22.4
269	? 24.8	24.8	22.0	21.2
271		25.2		22.6
272		32.2		29.1
270		26.2		22.8
275	? 26.0	26.0	24.5	23.2
276		25.4		22.5
274		25.9		23.3
193		24.1		21.5
194		24.7		21.7
197		23.6		21.1
201		22.4		19.9
203		24.8		22.2
204		24.1		20.9
202		24.6		21.5
207		25.8		23.0
208		20.9		18.3
211		21.9		19.4
213		20.7		18.0
215		22.7		19.7
169		22.8		20.2
171		24.9		21.6
172		25.0		22.4
170		24.4		21.3
173		23.4		20.4
175		24.4		21.3
176		24.2		21.6
177		27.1		23.6
180		23.7		21.2
178		25.4		22.8
246		21.2		18.0
277		29.3		26.4
279		24.2		21.4
280		25.8		22.6
283	? 25.5	25.5	22.9	21.9
284		26.3		22.4
285		26.2		22.8
287		25.4		22.6
288		23.9		20.8
286		25.3		22.5

When both values changed, weight taken from previous weighing [redacted]

MEMORANDUM

DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
FOOD AND DRUG ADMINISTRATION

DATE: May 12, 1983

TO: Principal Investigator,
Experiment 376; NTP No. 5010-02

FROM: Investigator, Quality Assurance
and Safety Staff (HFT-40)

SUBJECT: Rack Configuration Data Differences

Reference: [redacted] Randomization and Rack Configuration memo of 05/05/81 (attachment to E-376 protocol) and [redacted] ESS RECAP for E-376 memo of 07/21/81.

The rack configurations are different in these two memos; this may prompt questions when study detailed data is reviewed. The purpose of this memo is to show the differences, explain that the study was conducted as planned, and to provide information that may be needed to respond to questions.

1. [redacted] memo uses dose level numbers of 1 to 21, i.e.:

1 = control male rats	1 = control female rats
2 = 162 ppm male rats	7 = 162 ppm female rats
3 = 405 ppm male rats	8 = 405 ppm female rats
4 = 1012 ppm male rats	9 = 1012 ppm female rats
5 = 2530 ppm male rats	10 = 2530 ppm female rats
6 = 6325 ppm male rats	11 = 6325 ppm female rats
1 = control male mice	1 = control female mice
12 = 80 ppm male mice	17 = 80 ppm female mice
13 = 162 ppm male mice	18 = 162 ppm female mice
14 = 325 ppm male mice	19 = 325 ppm female mice
15 = 750 ppm male mice	20 = 750 ppm female mice
16 = 1500 ppm male mice	21 = 1500 ppm female mice

2. [redacted] memo uses treatment numbers of 1 through 12, i.e.:

1 = control male and female rats
2 = 162 ppm male and female rats
3 = 405 ppm male and female rats
4 = 1012 ppm male and female rats
5 = 2530 ppm male and female rats
6 = 6325 ppm male and female rats
7 = control male and female mice
8 = 80 ppm male and female mice
9 = 162 ppm male and female mice
10 = 325 ppm male and female mice
11 = 750 ppm male and female mice
12 = 1500 ppm male and female mice

3. In reviewing the ESS RECAP rack configuration (Attachment A to [redacted]s memo), which represents the actual loading of E-376, against [redacted] rack configuration, taking into the account the above differences, E-376 was loaded and dosed according to the protocol.

4. I hope this information will not be needed, but if so, I wanted you to be informed.

[redacted]

DEPARTMENT OF HEALTH & HUMAN SERVICES — Public Health Service

Memorandum

Date May 19, 1983

From Principal Investigator (HFT-30)

Subject Justification for Data Changes in Experiment 376

To Director, Quality Assurance and Safety Staff (HFT-40)

In response to your memorandum dated May 12, 1983, I agree that the differences in body weights recorded in EIS terminal weights and Pathology EDCS receiving weights probably would make no difference in the final conclusions. Erratic weights were often encountered in Pathology receiving which may reflect the stress of moving the animals or to the removal of of food prior to sacrifice.

The weight was corrected by comparing the weekly weights several weeks prior to sacrifice. In those instances where both EDCS and EIS weights were obviously out of line with the preceding weights for that particular animal, a terminal weight was estimated from an extrapolation of previous weights. Trends such as weight gain or loss were considered in estimating the correct final weight.

[redacted]

[redacted]/lv

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service
Food and Drug Administration

Phone: (501) 541-4000
(FTS) 542-4000

National Center
For Toxicological Research
Jefferson AR 72079

June 3, 1983

QUALITY ASSURANCE REPORT

Title: 90 Day Subchronic Study Report on Doxylamine in B6C3F$_1$ Mice

NCTR Experiment No.: 376 Other I.D.: NTP 05010-02

DATA SOURCE: QAS Master Schedule - Inspections/Findings Log

Date	Comments/Action	Investigator ID
06/30/81	Protocol review.	[redacted]
07/30/81	Review of weekly PRI animal care reports.	
07/30/81	QA verification of dosed feed preparation.	
08/13/81	Review of ESS Recap.	
08/31/81	QA verification of dosed feed preparation.	
08/31/81	Review of weekly PRI animal care reports.	
09/02/81	QA verification of dosed feed preparation.	
09/18/81	QA verification of dosed feed preparation.	
09/30/81	Review of weekly PRI animal care reports.	
10/01/81	Conforming Amendment: Ref.: [redacted] memo 10/01/81. It was determined by QAS that each test article-test system combination requires a specific protocol, an individual listing on the Master Schedule sheet (including inspection dates), and a single final report. QAS to assure that these instructions are followed.	
10/30/81	Review of weekly PRI animal care reports.	
05/13/82	Review of proposed changes to EDCS, EIS, and Pathology data base.	
06/07/82	Review of proposed changes to Pathology data base.	

Date	Comments/Action	Investigator ID
08/06/82	Review of Pathology Services SOP's.	[redacted]
09/02/82	Inspection of DTDMS archives and archival appointments.	
09/03/82	Inspection of Microbiology operations -- instrumentation.	
10/06/82	Inspection of Histopathology archive -- blocks and slides.	
05/03/83	Final review of Final Report.	
06/03/83	Final audit of data on completed study.	

Results of Quality Assurance investigations and data audits on Experiment No. 376 were reported to the Principal Investigator(s) as appropriate, and to NCTR management in bimonthly reports of: 08/20/81, 10/21/81, 06/29/82 and 06/15/83.

[redacted]

Director, Quality Assurance
and Safety Staff (HFT-40)