

Table 7 Hematological findings
Male, Female, 13w

Sex	Group and dose		Leukocytes (10 ³ / μ L)	Erythrocytes (10 ⁴ / μ L)	Hemoglobin (g/dL)	Hematocrit (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)	Reticulocyte (10 ⁴ / μ L)	Platelets (10 ⁴ / μ L)
Male	Control	N	10	10	10	10	10	10	10	10	10
		Mean	7.83	855	15.6	43.3	50.6	18.3	36.1	15.8	103.4
		S.D.	± 1.32	± 27	± 0.4	± 1.6	± 1.6	± 0.5	± 0.7	± 2.8	± 11.2
	0.1 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	8.63	870	15.5	43.2	49.6	17.8	35.9	16.3	108.7
		S.D.	± 2.72	± 29	± 0.5	± 1.2	± 1.1	± 0.5	± 0.4	± 1.8	± 8.2
	0.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	9.08	828	15.0*	41.6*	50.3	18.1	36.0	16.2	112.9
		S.D.	± 2.48	± 43	± 0.6	± 1.8	± 0.9	± 0.5	± 0.7	± 3.2	± 16.0
	2.5 mg/kg	N	9	9	9	9	9	9	9	9	9
		Mean	9.97	807**	14.3**	40.0**	49.6	17.7	35.7	14.8	130.5*
		S.D.	± 1.88	± 22	± 0.6	± 1.3	± 2.6	± 1.0	± 0.5	± 3.6	± 27.1
Female	Control	N	10	10	10	10	10	10	10	10	10
		Mean	4.94	768	13.9	40.1	52.2	18.1	34.6	16.5	106.1
		S.D.	± 1.16	± 38	± 0.5	± 1.7	± 1.1	± 0.4	± 0.5	± 3.4	± 12.1
	0.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	4.30	793	14.1	40.7	51.3	17.7	34.6	13.9	110.4
		S.D.	± 1.04	± 40	± 0.6	± 2.2	± 0.7	± 0.4	± 0.6	± 1.9	± 6.8
	2.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	4.95	762	13.8	39.5	51.9	18.1	35.0	14.8	117.4
		S.D.	± 0.99	± 23	± 0.4	± 0.9	± 1.3	± 0.5	± 0.3	± 3.4	± 11.6
	12.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	5.18	753	13.4	38.1*	50.6**	17.7	35.1*	13.7	106.2
		S.D.	± 1.70	± 25	± 0.5	± 1.2	± 1.0	± 0.5	± 0.5	± 1.6	± 9.9

*: P<0.05, **: P<0.01 (significantly different from control).

Table 7 - continued
Hematological findings
Male, Female, 13w

Sex	Group and dose		PT (sec)	APTT (sec)
Male	Control	N	10	10
		Mean	15.2	24.6
		S.D.	±2.7	±1.9
	0.1 mg/kg	N	10	10
		Mean	14.9	24.1
		S.D.	±1.1	±1.9
	0.5 mg/kg	N	10	10
		Mean	15.1	23.0
		S.D.	±1.5	±1.5
	2.5 mg/kg	N	9	9
		Mean	14.3	23.5
		S.D.	±1.4	±3.1
Female	Control	N	10	10
		Mean	11.7	19.2
		S.D.	±0.5	±1.5
	0.5 mg/kg	N	10	10
		Mean	11.7	19.7
		S.D.	±0.3	±0.9
	2.5 mg/kg	N	10	10
		Mean	11.7	19.0
		S.D.	±0.3	±1.6
	12.5 mg/kg	N	10	10
		Mean	11.8	19.2
		S.D.	±0.4	±1.5

Not significantly different from control.

Table 7 - continued
Hematological findings
Male, Female, 13w

Sex	Group and dose		Differential leukocyte count					
			Eosinophils	Neutrophils	Lymphocytes	Basophils	Monocytes	Large unstained cells
			(10 ² / μ L)	(10 ² / μ L)	(10 ² / μ L)	(10 ² / μ L)	(10 ² / μ L)	(10 ² / μ L)
Male	Control	N	10	10	10	10	10	10
		Mean	1.2	16.2	58.7	0.1	1.7	0.3
		S. D.	± 0.6	± 6.1	± 14.3	± 0.1	± 0.5	± 0.1
	0.1 mg/kg	N	10	10	10	10	10	10
		Mean	1.4	16.8	65.5	0.2	1.8	0.5
		S. D.	± 0.4	± 9.8	± 23.5	± 0.1	± 0.7	± 0.4
	0.5 mg/kg	N	10	10	10	10	10	10
		Mean	1.3	13.8	72.9	0.2	2.0	0.7*
		S. D.	± 0.7	± 5.1	± 21.7	± 0.1	± 1.0	± 0.3
	2.5 mg/kg	N	9	9	9	9	9	9
		Mean	1.1	14.4	81.1	0.2	2.2	0.7
		S. D.	± 0.4	± 5.5	± 19.9	± 0.1	± 0.7	± 0.5
Female	Control	N	10	10	10	10	10	10
		Mean	0.9	7.1	40.1	0.1	0.8	0.4
		S. D.	± 0.4	± 2.7	± 9.5	± 0.1	± 0.3	± 0.2
	0.5 mg/kg	N	10	10	10	10	10	10
		Mean	0.8	6.3	34.9	0.1	0.7	0.3
		S. D.	± 0.5	± 1.6	± 8.5	± 0.1	± 0.3	± 0.1
	2.5 mg/kg	N	10	10	10	10	10	10
		Mean	0.8	8.3	39.4	0.1	0.6	0.4
		S. D.	± 0.3	± 3.8	± 8.7	± 0.0	± 0.2	± 0.2
	12.5 mg/kg	N	10	10	10	10	10	10
		Mean	0.9	6.2	43.5	0.1	0.8	0.3
		S. D.	± 0.3	± 2.2	± 15.2	± 0.1	± 0.4	± 0.2

*: P<0.05 (significantly different from control).

Table 8 Hematological findings
Male, Female, 52w

Sex	Group and dose		Leukocytes	Erythrocytes	Hemoglobin	Hematocrit	MCV	MCH	MCHC	Reticulocyte	Platelets
			($10^3 / \mu\text{L}$)	($10^4 / \mu\text{L}$)	(g/dL)	(%)	(fL)	(pg)	(g/dL)	($10^4 / \mu\text{L}$)	($10^4 / \mu\text{L}$)
Male	Control	N	10	10	10	10	10	10	10	10	10
		Mean	7.98	840	14.0	44.2	52.7	16.7	31.7	18.2	106.5
		S. D.	± 1.24	± 68	± 1.1	± 2.9	± 2.1	± 0.8	± 0.8	± 8.4	± 12.6
	0.1 mg/kg	N	8	8	8	8	8	8	8	8	8
		Mean	8.22	780	13.1	41.3	53.1	16.7	31.5	20.1	110.2
		S. D.	± 3.46	± 145	± 2.7	± 7.4	± 1.2	± 0.7	± 1.5	± 9.8	± 28.5
	0.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	6.69	754*	12.7	40.3	53.9	16.9	31.3	27.1	123.7
		S. D.	± 0.98	± 133	± 2.1	± 5.7	± 4.5	± 1.0	± 1.1	± 20.4	± 28.5
	2.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	7.90	778*	12.9	40.7*	52.3	16.6	31.8	15.7	140.1**
		S. D.	± 2.19	± 66	± 1.1	± 3.6	± 2.3	± 0.7	± 0.3	± 3.3	± 13.6
Female	Control	N	10	10	10	10	10	10	10	10	10
		Mean	3.83	707	13.2	40.3	57.5	18.8	32.7	14.9	90.2
		S. D.	± 1.30	± 100	± 1.4	± 3.8	± 4.3	± 1.0	± 0.9	± 8.9	± 10.0
	0.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	3.73	708	13.5	41.0	58.1	19.1	33.0	16.4	94.2
		S. D.	± 0.96	± 62	± 0.8	± 2.5	± 2.3	± 0.7	± 0.5	± 9.6	± 14.7
	2.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	3.98	730	13.5	41.3	56.6	18.5	32.7	13.9	101.5
		S. D.	± 1.44	± 55	± 1.0	± 3.0	± 2.4	± 0.8	± 0.6	± 5.8	± 13.9
	12.5 mg/kg	N	9	9	9	9	9	9	9	9	9
		Mean	3.69	673	12.3	37.3	56.1	18.4	32.9	17.1	105.6*
		S. D.	± 0.58	± 115	± 1.5	± 4.4	± 4.8	± 1.4	± 0.4	± 15.1	± 11.9

*: $P < 0.05$, **: $P < 0.01$ (significantly different from control).

Table 8 - continued
Hematological findings
Male, Female, 52w

Sex	Group and dose		PT (sec)	APTT (sec)
Male	Control	N	10	10
		Mean	13.5	21.5
		S.D.	±1.0	±1.5
	0.1 mg/kg	N	8	8
		Mean	13.8	20.9
		S.D.	±1.0	±2.7
	0.5 mg/kg	N	10	10
		Mean	14.5	21.2
		S.D.	±1.9	±2.6
	2.5 mg/kg	N	10	10
		Mean	21.8**	29.5
		S.D.	±9.0	±9.3
Female	Control	N	10	10
		Mean	12.3	18.4
		S.D.	±0.8	±0.9
	0.5 mg/kg	N	10	10
		Mean	12.9	18.5
		S.D.	±0.7	±0.9
	2.5 mg/kg	N	10	10
		Mean	12.5	17.7
		S.D.	±0.5	±1.4
	12.5 mg/kg	N	9	9
		Mean	12.1	17.7
		S.D.	±0.5	±1.2

**; P<0.01 (significantly different from control).

Table 8 - continued
Hematological findings
Male, Female, 52w

Sex	Group and dose		Differential leukocyte count					
			Eosinophils	Neutrophils	Lymphocytes	Basophils	Monocytes	Large unstained cells
			(10 ² / μ L)	(10 ² / μ L)	(10 ² / μ L)	(10 ² / μ L)	(10 ² / μ L)	(10 ² / μ L)
Male	Control	N	10	10	10	10	10	10
		Mean	1.2	26.2	47.8	0.1	3.0	1.5
		S.D.	± 0.3	± 9.9	± 11.9	± 0.0	± 0.9	± 2.0
	0.1 mg/kg	N	8	8	8	8	8	8
		Mean	1.0	30.8	46.4	0.1	2.5	1.5
		S.D.	± 0.6	± 29.1	± 6.5	± 0.1	± 0.5	± 2.4
	0.5 mg/kg	N	10	10	10	10	10	10
		Mean	0.9	18.6	44.3	0.1	2.3	0.7
		S.D.	± 0.3	± 7.3	± 6.3	± 0.0	± 0.7	± 0.2
	2.5 mg/kg	N	10	10	10	10	10	10
		Mean	1.1	17.6	56.2	0.1	2.9	1.1
		S.D.	± 0.5	± 7.5	± 17.5	± 0.1	± 0.8	± 0.7
Female	Control	N	10	10	10	10	10	10
		Mean	0.6	10.1	25.4	0.0	1.4	0.7
		S.D.	± 0.2	± 8.0	± 8.2	± 0.0	± 0.8	± 0.3
	0.5 mg/kg	N	10	10	10	10	10	10
		Mean	0.7	11.0	23.3	0.0	1.6	0.6
		S.D.	± 0.2	± 4.0	± 7.2	± 0.0	± 0.5	± 0.3
	2.5 mg/kg	N	10	10	10	10	10	10
		Mean	0.9	12.1	24.6	0.0	1.6	0.6
		S.D.	± 0.4	± 6.7	± 8.2	± 0.0	± 0.6	± 0.3
	12.5 mg/kg	N	9	9	9	9	9	9
		Mean	0.8	9.2	24.8	0.0	1.6	0.5
		S.D.	± 0.2	± 1.9	± 6.3	± 0.0	± 0.5	± 0.2

Not significantly different from control.

Table 9 Biochemical findings
Male, Female, 13w

Sex	Group and dose		T.Protein	A/G ratio	α_1 -Globulin	α_2 -Globulin	β -Globulin	γ -Globulin	Albumin
			(g/dL)		(%)	(%)	(%)	(%)	(%)
Male	Control	N	10	10	10	10	10	10	10
		Mean	5.8	1.22	18.7	7.1	15.2	4.2	54.8
		S.D.	±0.3	±0.12	±1.6	±0.7	±0.8	±0.5	±2.3
	0.1 mg/kg	N	10	10	10	10	10	10	10
		Mean	5.8	1.30	17.9	6.8	14.4	4.3	56.6
		S.D.	±0.2	±0.09	±1.6	±0.6	±0.6	±0.6	±1.6
	0.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	5.7	1.67**	15.6**	5.9**	11.5**	4.6	62.4**
		S.D.	±0.5	±0.23	±1.3	±0.6	±1.0	±0.8	±2.9
	2.5 mg/kg	N	9	9	9	9	9	9	9
		Mean	5.8	2.09**	12.1**	5.6**	9.9**	5.0	67.4**
		S.D.	±0.5	±0.27	±2.4	±0.6	±0.7	±1.4	±3.0
Female	Control	N	10	10	10	10	10	10	10
		Mean	6.2	1.78	13.8	5.6	12.6	3.9	64.0
		S.D.	±0.4	±0.16	±1.0	±0.8	±0.9	±0.8	±2.0
	0.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	6.3	1.87	12.9	5.6	12.4	4.3	64.9
		S.D.	±0.2	±0.22	±1.7	±0.2	±1.2	±1.0	±2.8
	2.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	6.4	1.93	12.6	5.5	12.1	4.2	65.7
		S.D.	±0.4	±0.19	±1.6	±0.6	±1.4	±1.0	±2.2
	12.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	6.7*	2.24**	12.9	4.7*	9.9**	3.6	68.9**
		S.D.	±0.5	±0.31	±1.8	±0.5	±0.8	±1.1	±2.9

*: P<0.05, **: P<0.01 (significantly different from control).

Table 9 - continued
Biochemical findings
Male, Female, 13w

Sex	Group and dose		T.Bilirubin (mg/dL)	AST (IU/L)	ALT (IU/L)	ALP (IU/L)	T.Cholesterol (mg/dL)	Triglycerides (mg/dL)	Phospholipids (mg/dL)	Glucose (mg/dL)
Male	Control	N	10	10	10	10	10	10	10	10
		Mean	0.0	90	35	164	68	48	119	121
		S. D.	±0.0	±22	±29	±23	±12	±21	±21	±9
	0.1 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	0.0	118	47	216	64	43	116	120
		S. D.	±0.0	±66	±58	±57	±12	±12	±23	±7
	0.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	0.0	83	23	373**	59	58	125	154**
		S. D.	±0.0	±14	±4	±60	±13	±29	±27	±13
	2.5 mg/kg	N	9	9	9	9	9	9	9	9
		Mean	0.0	94	32	619**	58	65	131	151**
		S. D.	±0.0	±16	±9	±115	±9	±19	±16	±9
Female	Control	N	10	10	10	10	10	10	10	10
		Mean	0.1	75	20	92	75	29	150	119
		S. D.	±0.1	±20	±7	±30	±12	±20	±21	±13
	0.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	0.0*	69	18	107	78	24	155	117
		S. D.	±0.0	±8	±6	±25	±10	±9	±15	±10
	2.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	0.0	77	17	101	72	23	147	118
		S. D.	±0.0	±14	±2	±31	±12	±10	±23	±15
	12.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	0.0*	68	18	136	83	35	169	130
		S. D.	±0.0	±10	±2	±81	±7	±13	±16	±10

*: P<0.05, **: P<0.01 (significantly different from control).

Table 9 - continued Biochemical findings
Male, Female, 13w

Sex	Group and dose		BUN (mg/dL)	Creatinine (mg/dL)	IP (mg/dL)	Ca (mg/dL)	Na (mEq/L)	K (mEq/L)	Cl (mEq/L)
Male	Control	N	10	10	10	10	10	10	10
		Mean	12.3	0.4	6.1	10.2	147.1	4.14	106.5
		S.D.	±1.1	±0.1	±0.6	±0.2	±0.6	±0.13	±1.0
	0.1 mg/kg	N	10	10	10	10	10	10	10
		Mean	11.8	0.4	6.4	10.3	147.3	4.36	105.7
		S.D.	±1.7	±0.0	±0.3	±0.3	±0.7	±0.21	±1.1
	0.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	14.2*	0.4	6.6	10.1	145.9*	4.53**	105.3
		S.D.	±1.7	±0.0	±0.5	±0.4	±0.9	±0.28	±1.8
	2.5 mg/kg	N	9	9	9	9	9	9	9
		Mean	14.8**	0.4	6.8*	10.0	144.9**	4.66**	105.7
		S.D.	±1.8	±0.0	±0.6	±0.3	±1.1	±0.32	±1.7
Female	Control	N	10	10	10	10	10	10	10
		Mean	14.5	0.5	4.9	10.4	145.7	4.02	108.6
		S.D.	±1.7	±0.1	±0.6	±0.2	±0.7	±0.17	±0.9
	0.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	14.3	0.5	5.1	10.4	145.8	4.14	108.6
		S.D.	±1.7	±0.1	±0.6	±0.2	±1.1	±0.20	±1.2
	2.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	13.6	0.5	5.2	10.5	145.6	3.98	108.5
		S.D.	±1.1	±0.1	±0.7	±0.4	±0.8	±0.13	±1.7
	12.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	14.1	0.4	5.4	10.7	145.1	3.98	108.9
		S.D.	±1.8	±0.1	±0.7	±0.3	±1.1	±0.19	±1.2

*: P<0.05, **: P<0.01 (significantly different from control).

Table 10 Biochemical findings
Male, Female, 52w

Sex	Group and dose		T. Protein (g/dL)	A/G ratio	α_1 -Globulin (%)	α_2 -Globulin (%)	β -Globulin (%)	γ -Globulin (%)	Albumin (%)
Male	Control	N	10	10	10	10	10	10	10
		Mean	5.8	1.01	19.2	7.5	17.9	5.7	49.7
		S. D.	±0.2	±0.21	±2.2	±0.5	±2.3	±2.3	±5.4
	0.1 mg/kg	N	8	8	8	8	8	8	8
		Mean	5.8	1.01	18.2	7.1	18.5	6.9	49.3
		S. D.	±0.3	±0.29	±1.8	±1.4	±4.5	±3.1	±8.4
	0.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	5.8	1.42**	15.2**	6.1*	15.3	5.2	58.1**
		S. D.	±0.5	±0.31	±2.4	±1.3	±3.0	±1.7	±5.4
	2.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	5.8	1.75**	13.4**	5.0**	12.7**	5.8	63.2**
		S. D.	±0.2	±0.30	±2.0	±1.1	±2.2	±1.2	±4.7
Female	Control	N	10	10	10	10	10	10	10
		Mean	6.4	1.79	13.5	4.8	13.2	4.6	63.9
		S. D.	±0.3	±0.25	±1.6	±0.6	±1.5	±0.9	±3.1
	0.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	6.7	1.69	14.2	4.8	13.5	4.9	62.6
		S. D.	±0.2	±0.17	±1.6	±0.5	±0.7	±1.2	±2.5
	2.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	6.7	1.73	12.8	5.0	13.6	5.4	63.3
		S. D.	±0.3	±0.17	±1.4	±0.9	±1.6	±1.2	±2.3
	12.5 mg/kg	N	9	9	9	9	9	9	9
		Mean	6.5	2.00	12.1	4.1	12.2	5.0	66.5
		S. D.	±0.5	±0.19	±1.0	±0.4	±1.2	±1.2	±2.1

*: P<0.05, **: P<0.01 (significantly different from control).

Table 10 - continued
Biochemical findings
Male, Female, 52w

Sex	Group and dose		T. Bilirubin (mg/dL)	AST (IU/L)	ALT (IU/L)	ALP (IU/L)	T. Cholesterol (mg/dL)	Triglycerides (mg/dL)	Phospholipids (mg/dL)	Glucose (mg/dL)	
Male	Control	N	10	10	10	10	10	10	10	10	
		Mean	0.0	85	32	141	80	92	134	125	
		S.D.	±0.0	±17	±15	±42	±11	±41	±12	±27	
	0.1 mg/kg	N	8	8	8	8	8	8	8	8	8
		Mean	0.0	91	31	165	78	69	123	115	
		S.D.	±0.0	±18	±8	±56	±22	±28	±26	±11	
	0.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	0.0	89	42	364**	82	98	152	139	
		S.D.	±0.0	±23	±31	±87	±21	±32	±33	±17	
	2.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	0.0	77	36	565**	75	77	143	125	
		S.D.	±0.0	±15	±11	±137	±13	±32	±15	±16	
Female	Control	N	10	10	10	10	10	10	10	10	
		Mean	0.1	112	37	57	100	95	196	103	
		S.D.	±0.1	±98	±36	±26	±23	±71	±41	±9	
	0.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	0.0	92	27	59	104	92	207	110	
		S.D.	±0.0	±48	±12	±16	±13	±51	±17	±9	
	2.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	0.0	132	76	57	108	91	208	106	
		S.D.	±0.0	±103	±103	±14	±22	±61	±36	±16	
	12.5 mg/kg	N	9	9	9	9	9	9	9	9	9
		Mean	0.0*	69	25	86**	99	77	196	119*	
		S.D.	±0.0	±13	±8	±20	±21	±26	±31	±16	

*: P<0.05, **: P<0.01 (significantly different from control).

Table 10 - continued
Biochemical findings
Male, Female, 52w

Sex	Group and dose		BUN	Creatinine	IP	Ca	Na	K	Cl
			(mg/dL)	(mg/dL)	(mg/dL)	(mg/dL)	(mEq/L)	(mEq/L)	(mEq/L)
Male	Control	N	10	10	10	10	10	10	10
		Mean	9.1	0.5	5.2	10.0	147.4	4.40	107.7
		S. D.	±1.5	±0.1	±0.6	±0.2	±1.3	±0.20	±1.1
	0.1 mg/kg	N	8	8	8	8	8	8	8
		Mean	8.8	0.4	5.2	10.0	147.3	4.54	108.0
		S. D.	±0.9	±0.1	±0.5	±0.3	±0.9	±0.16	±2.1
	0.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	10.4	0.4	5.8*	10.2	146.5	4.64	107.6
		S. D.	±1.9	±0.0	±0.5	±0.5	±0.8	±0.32	±1.8
	2.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	12.8**	0.4	5.6	9.9	146.2	4.63	107.1
		S. D.	±1.5	±0.1	±0.6	±0.3	±1.3	±0.26	±1.7
Female	Control	N	10	10	10	10	10	10	10
		Mean	13.4	0.5	4.7	10.6	145.8	4.04	107.2
		S. D.	±2.7	±0.1	±1.0	±0.4	±1.2	±0.27	±1.6
	0.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	12.6	0.5	4.6	10.9	146.4	3.80	107.0
		S. D.	±2.8	±0.0	±0.7	±0.3	±1.1	±0.33	±2.5
	2.5 mg/kg	N	10	10	10	10	10	10	10
		Mean	12.7	0.5	4.6	10.6	146.0	4.19	107.4
		S. D.	±3.1	±0.1	±0.6	±0.3	±1.5	±0.32	±1.8
	12.5 mg/kg	N	9	9	9	9	9	9	9
		Mean	12.1	0.4	5.0	10.5	145.7	3.96	107.9
		S. D.	±2.0	±0.1	±0.8	±0.4	±1.1	±0.21	±1.9

*: P<0.05, **: P<0.01 (significantly different from control).

Table 11 Necropsy findings
Male, Female, 13w

Organs and findings	Sex Group and dose Number of animals	Male				Female			
		Control	0.1 mg/kg	0.5 mg/kg	2.5 mg/kg	Control	0.5 mg/kg	2.5 mg/kg	12.5 mg/kg
		10	10	10	9	10	10	10	10
Digestive system									
Liver									
Enlargement		0	0	0	5*	0	0	0	1
Hematopoietic system									
Thymus									
Coloration, dark red		0	0	0	0	1	0	0	0
Urinary system									
Kidney									
Pit		1	0	0	0	0	0	0	0
Dilatation, pelvic cavity		0	0	0	0	0	1	0	0
Mass, light gray		0	0	0	0	1	0	0	0
Integumentary system									
Integument									
Loss, hair		0	0	0	0	0	0	0	1

*: $P < 0.05$ (significantly different from control).
 No appreciable changes in all other organs and tissues.
 One male in the 2.5 mg/kg group died.

Table 12 Necropsy findings
Male, Female, 52w

Organs and findings	Sex Group and dose Number of animals	Male				Female			
		Control	0.1 mg/kg	0.5 mg/kg	2.5 mg/kg	Control	0.5 mg/kg	2.5 mg/kg	12.5 mg/kg
Digestive system									
Liver									
Macule, light gray		0	0	0	2	0	0	0	1
Macule, dark red		0	0	0	1	0	0	1	0
Discoloration		2	0	0	0	0	0	0	0
Enlargement		0	0	7**	9**	0	0	0	5*
Hernia, diaphragmatic		0	0	0	0	1	0	0	1
Respiratory system									
Lung									
Spot, white		1	0	0	4	1	0	0	0
Coloration, dark red		0	0	0	1	0	0	0	0
Hematopoietic system									
Thymus									
Small		10	8	10	9	8	8	10	9
Popliteal lymph node									
Enlargement		1	0	1	1	0	0	0	0
Spleen									
Macule, light gray		1	1	0	0	0	0	0	0
Cardiovascular system									
Heart									
Coloration, light gray		1	0	1	1	0	0	0	0
Urinary system									
Kidney									
Pit		0	0	1	0	0	0	0	0
Genital system									
Testis						NA	NA	NA	NA
Small		0	0	0	1				
Epididymis						NA	NA	NA	NA
Small		0	0	0	1				
Prostate						NA	NA	NA	NA
Spot, dark red		0	0	0	1				
Ovary		NA	NA	NA	NA				
Enlargement						0	0	2	0
Dilatation, ovarian bursa						0	0	0	1
Cyst						2	3	1	2

*: P<0.05, **: P<0.01 (significantly different from control).

NA: not applicable.

No appreciable changes in all other organs and tissues.

Two males in the 0.1 mg/kg group and one female in the 12.5 mg/kg group died.

Table 12 - continued
Necropsy findings
Male, Female, 52w

Organs and findings	Sex	Male				Female			
	Group and dose	Control	0.1 mg/kg	0.5 mg/kg	2.5 mg/kg	Control	0.5 mg/kg	2.5 mg/kg	12.5 mg/kg
	Number of animals	10	8	10	10	10	10	10	9
Genital system									
Uterus		NA	NA	NA	NA				
Polyp, endometrium						0	0	0	1
Mammary gland									
Retention, milk		0	0	0	0	2	2	3	3
Endocrine system									
Pituitary									
Spot, dark red		0	0	0	0	2	1	3	1
Enlargement		0	0	0	0	1	1	2	1
Nodule, light gray		0	0	0	0	0	0	1	1
Thyroid									
Defect, left		0	1	0	0	0	0	0	0
Enlargement, right		0	1	0	0	0	0	0	0
Adrenal									
Spot, brown		0	0	0	0	1	2	1	1
Enlargement		0	0	0	0	0	0	1	0
Integumentary system									
Integument									
Nodule, cutis, white		0	0	1	0	0	0	0	0
Nodule, subcutis, white		0	0	0	0	0	0	0	1
Mass, subcutis, light gray		0	0	0	0	3	0	1	3
Others									
Extremity									
Swelling, hindlimb		0	0	0	1	0	0	0	0
Corn, hindlimb		5	5	7	1	1	0	2	2

Not significantly different from control.

NA: not applicable.

No appreciable changes in all other organs and tissues.

Two males in the 0.1 mg/kg group and one female in the 12.5 mg/kg group died.

Table 13 Organ weights
Male, Female, 13w

Sex	Group and dose		Final body weight	Brain		Pituitary		Thyroids		Heart		
				(g)	(g)	(g/100 gB.W.)	(mg)	(mg/100 gB.W.)	(mg)	(mg/100 gB.W.)	(g)	(g/100 gB.W.)
86	Male	Control	N	10	10	10	10	10	10	10	10	10
			Mean	530.1	2.22	0.42	14.0	2.7	20.4	3.8	1.54	0.29
			S.D.	±32.1	±0.08	±0.02	±1.6	±0.3	±5.8	±1.0	±0.19	±0.03
		0.1 mg/kg	N	10	10	10	10	10	10	10	10	10
	Mean		566.3	2.28	0.40	13.9	2.5	26.6*	4.7	1.61	0.29	
	S.D.		±42.2	±0.05	±0.03	±1.3	±0.2	±5.2	±0.8	±0.13	±0.02	
	0.5 mg/kg	N	10	10	10	10	10	10	10	10	10	
		Mean	546.5	2.29	0.42	14.2	2.6	24.5	4.5	1.63	0.30	
		S.D.	±40.3	±0.07	±0.03	±1.2	±0.2	±5.7	±1.1	±0.10	±0.02	
	2.5 mg/kg	N	9	9	9	9	9	9	9	9	9	
		Mean	450.1**	2.19	0.49**	12.8	2.8	18.7	4.1	1.49	0.33**	
		S.D.	±27.8	±0.07	±0.03	±0.5	±0.2	±4.1	±0.7	±0.09	±0.02	
Female	Control	N	10	10	10	10	10	10	10	10	10	
		Mean	304.1	2.05	0.68	16.9	5.6	16.7	5.5	0.96	0.32	
		S.D.	±26.9	±0.06	±0.06	±1.7	±0.5	±4.1	±1.1	±0.07	±0.02	
		0.5 mg/kg	N	10	10	10	10	10	10	10	10	10
	Mean		303.0	2.06	0.69	18.4	6.1	17.7	5.9	0.91	0.30	
	S.D.		±31.0	±0.09	±0.05	±1.9	±0.7	±2.2	±0.8	±0.08	±0.02	
	2.5 mg/kg	N	10	10	10	10	10	10	10	10	10	
		Mean	297.0	2.09	0.70	19.1	6.4*	19.2	6.5*	0.95	0.32	
		S.D.	±17.5	±0.08	±0.03	±2.5	±1.0	±2.7	±1.1	±0.06	±0.02	
	12.5 mg/kg	N	10	10	10	10	10	10	10	10	10	
		Mean	299.8	2.09	0.70	18.6	6.2	18.7	6.2	0.94	0.32	
		S.D.	±23.1	±0.07	±0.05	±2.9	±0.8	±2.4	±0.7	±0.07	±0.03	

*: $P < 0.05$, **: $P < 0.01$ (significantly different from control).
One male in the 2.5 mg/kg group died.

Table 13 - continued
Organ weights
Male, Female, 13w

Sex	Group and dose		Lungs		Thymus		Liver		Spleen	
			(g)	(g/100 gB.W.)	(g)	(g/100 gB.W.)	(g)	(g/100 gB.W.)	(g)	(g/100 gB.W.)
Male	Control	N	10	10	10	10	10	10	10	10
		Mean	1.54	0.29	0.28	0.06	14.56	2.75	0.77	0.14
		S.D.	±0.11	±0.02	±0.05	±0.01	±0.81	±0.10	±0.12	±0.02
	0.1 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	1.59	0.28	0.31	0.05	15.96	2.82	0.84	0.15
		S.D.	±0.13	±0.03	±0.08	±0.02	±2.02	±0.23	±0.10	±0.01
	0.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	1.62	0.30	0.26	0.05	20.25**	3.71**	0.76	0.14
		S.D.	±0.11	±0.02	±0.07	±0.02	±2.00	±0.21	±0.06	±0.01
	2.5 mg/kg	N	9	9	9	9	9	9	9	9
		Mean	1.41	0.31	0.25	0.05	23.16**	5.12**	0.68	0.15
		S.D.	±0.09	±0.03	±0.05	±0.01	±4.45	±0.72	±0.07	±0.01
Female	Control	N	10	10	10	10	10	10	10	10
		Mean	1.11	0.37	0.25	0.08	7.97	2.63	0.54	0.18
		S.D.	±0.09	±0.03	±0.04	±0.01	±0.70	±0.14	±0.06	±0.02
	0.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	1.12	0.37	0.28	0.09	7.97	2.63	0.45**	0.15**
		S.D.	±0.09	±0.02	±0.07	±0.02	±0.94	±0.18	±0.06	±0.01
	2.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	1.08	0.36	0.27	0.09	8.32	2.80	0.50	0.17
		S.D.	±0.06	±0.02	±0.04	±0.01	±0.52	±0.18	±0.07	±0.02
	12.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	1.14	0.38	0.27	0.09	11.63**	3.88**	0.49	0.17
		S.D.	±0.11	±0.03	±0.06	±0.02	±1.72	±0.50	±0.05	±0.01

** : P<0.01 (significantly different from control).
One male in the 2.5 mg/kg group died.

Table 13 - continued

Organ weights
Male, Female, 13w

Sex	Group and dose		Kidneys		Adrenals		Epididymides		Testes	
			(g)	(g/100 gB.W.)	(mg)	(mg/100 gB.W.)	(g)	(g/100 gB.W.)	(g)	(g/100 gB.W.)
Male	Control	N	10	10	10	10	10	10	10	10
		Mean	3.30	0.62	57.1	10.8	1.39	0.26	3.46	0.65
		S.D.	±0.28	±0.04	±7.0	±1.5	±0.14	±0.02	±0.28	±0.07
	0.1 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	3.49	0.62	61.0	10.8	1.39	0.25	3.47	0.62
		S.D.	±0.29	±0.02	±6.1	±1.0	±0.15	±0.02	±0.23	±0.07
	0.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	3.64	0.67	58.0	10.7	1.24*	0.23*	3.31	0.61
		S.D.	±0.29	±0.06	±3.9	±0.8	±0.08	±0.02	±0.39	±0.06
	2.5 mg/kg	N	9	9	9	9	9	9	9	9
		Mean	3.16	0.70*	50.5*	11.2	1.27	0.28	3.65	0.81**
		S.D.	±0.45	±0.07	±5.3	±1.1	±0.11	±0.03	±0.15	±0.07
Female	Control	N	10	10	10	10				
		Mean	2.12	0.70	66.0	21.8				
		S.D.	±0.72	±0.25	±7.8	±2.6				
	0.5 mg/kg	N	10	10	10	10				
		Mean	1.93	0.64	66.5	22.1				
		S.D.	±0.29	±0.07	±6.4	±2.4				
	2.5 mg/kg	N	10	10	10	10				
		Mean	1.89	0.64	64.7	21.8				
		S.D.	±0.11	±0.05	±6.1	±2.5				
	12.5 mg/kg	N	10	10	10	10				
		Mean	1.96	0.66	61.8	20.6				
		S.D.	±0.15	±0.06	±6.7	±1.6				

*, P<0.05, **: P<0.01 (significantly different from control).
One male in the 2.5 mg/kg group died.

Table 13 - continued
Organ weights
Male, Female, 13w

Sex	Group and dose		Ovaries		Uterus	
			(mg)	(mg/100 gB.W.)	(g)	(g/100 gB.W.)
Male	Control	N				
		Mean				
		S.D.				
	0.1 mg/kg	N				
		Mean				
		S.D.				
	0.5 mg/kg	N				
		Mean				
		S.D.				
	2.5 mg/kg	N				
		Mean				
		S.D.				
Female	Control	N	10	10	10	10
		Mean	78.5	26.1	0.58	0.19
		S.D.	±7.8	±4.0	±0.09	±0.03
	0.5 mg/kg	N	10	10	10	10
		Mean	79.8	26.5	0.65	0.22
		S.D.	±8.9	±3.2	±0.08	±0.04
	2.5 mg/kg	N	10	10	10	10
		Mean	79.3	26.9	0.56	0.19
		S.D.	±11.9	±4.6	±0.06	±0.03
	12.5 mg/kg	N	10	10	10	10
		Mean	80.4	27.0	0.63	0.21
		S.D.	±10.9	±4.0	±0.08	±0.03

Not significantly different from control.

Table 14 Organ weights
Male, Female, 52w

Sex	Group and dose		Final body weight	Brain		Pituitary		Thyroids		Heart	
			(g)	(g)	(g/100 gB.W.)	(mg)	(mg/100 gB.W.)	(mg)	(mg/100 gB.W.)	(g)	(g/100 gB.W.)
Male	Control	N	10	10	10	10	10	10	10	10	10
		Mean	819.9	2.41	0.30	15.8	2.0	31.5	3.8	1.89	0.23
		S.D.	±145.4	±0.12	±0.04	±1.8	±0.2	±11.3	±0.9	±0.25	±0.02
	0.1 mg/kg	N	8	8	8	8	8	8	8	8	8
		Mean	792.5	2.41	0.31	15.7	2.0	31.4	3.9	1.93	0.25
		S.D.	±140.4	±0.08	±0.07	±1.7	±0.5	±11.9	±1.0	±0.19	±0.04
	0.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	842.4	2.41	0.29	16.2	1.9	34.0	4.1	2.05	0.25
		S.D.	±136.1	±0.07	±0.04	±1.3	±0.3	±6.0	±0.8	±0.17	±0.03
	2.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	614.2**	2.36	0.39**	16.8	2.8**	29.7	4.9*	1.87	0.31**
		S.D.	±97.3	±0.10	±0.05	±3.1	±0.3	±5.7	±0.9	±0.27	±0.03
Female	Control	N	10	10	10	10	10	10	10	10	10
		Mean	423.2	2.17	0.54	27.9	6.6	24.0	5.7	1.15	0.28
		S.D.	±87.2	±0.08	±0.12	±11.9	±2.3	±5.8	±1.1	±0.16	±0.04
	0.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	441.8	2.20	0.51	30.9	7.0	24.6	5.5	1.23	0.28
		S.D.	±71.4	±0.09	±0.07	±16.5	±3.8	±8.7	±1.3	±0.16	±0.04
	2.5 mg/kg	N	10	10	10	10	10	10	10	10	10
		Mean	481.0	2.16	0.47	32.8	7.1	27.6	5.9	1.23	0.26
		S.D.	±104.7	±0.06	±0.10	±13.6	±3.2	±4.7	±1.1	±0.17	±0.04
	12.5 mg/kg	N	9	9	9	9	9	9	9	9	9
		Mean	425.8	2.17	0.52	30.5	7.4	26.5	6.4	1.24	0.29
		S.D.	±71.4	±0.07	±0.08	±9.9	±2.4	±4.1	±1.4	±0.09	±0.03

#: P<0.05, **: P<0.01 (significantly different from control).
Two males in the 0.1 mg/kg group and one female in the 12.5 mg/kg group died.

Table 14 - continued
Organ weights
Male, Female, 52w

Sex	Group and dose		Lungs		Thymus		Liver		Spleen	
			(g)	(g/100 gB.W.)	(g)	(g/100 gB.W.)	(g)	(g/100 gB.W.)	(g)	(g/100 gB.W.)
Male	Control	N	10	10	10	10	10	10	10	10
		Mean	1.88	0.23	0.08	0.01	18.35	2.22	0.99	0.12
		S.D.	±0.16	±0.02	±0.02	±0.00	±4.61	±0.25	±0.24	±0.02
	0.1 mg/kg	N	8	8	8	8	8	8	8	8
		Mean	1.86	0.24	0.08	0.01	17.79	2.26	0.96	0.13
		S.D.	±0.05	±0.05	±0.03	±0.00	±2.65	±0.20	±0.07	±0.03
	0.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	1.88	0.23	0.07	0.01	24.85**	2.95**	1.06	0.13
		S.D.	±0.22	±0.02	±0.02	±0.00	±5.23	±0.47	±0.15	±0.03
	2.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	1.79	0.29**	0.09	0.01	25.09**	4.13**	0.89	0.15
		S.D.	±0.16	±0.03	±0.02	±0.00	±3.69	±0.62	±0.19	±0.02
Female	Control	N	10	10	10	10	10	10	10	10
		Mean	1.34	0.33	0.09	0.02	10.55	2.48	0.62	0.15
		S.D.	±0.17	±0.07	±0.03	±0.01	±3.14	±0.39	±0.15	±0.02
	0.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	1.29	0.30	0.10	0.02	10.70	2.42	0.60	0.14
		S.D.	±0.12	±0.05	±0.03	±0.01	±2.03	±0.14	±0.09	±0.02
	2.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	1.35	0.29	0.10	0.02	11.66	2.45	0.62	0.13
		S.D.	±0.12	±0.07	±0.02	±0.00	±2.41	±0.32	±0.10	±0.03
	12.5 mg/kg	N	9	9	9	9	9	9	9	9
		Mean	1.33	0.32	0.09	0.02	15.04**	3.54**	0.60	0.14
		S.D.	±0.08	±0.05	±0.02	±0.01	±2.96	±0.41	±0.06	±0.02

** : P<0.01 (significantly different from control).

Two males in the 0.1 mg/kg group and one female in the 12.5 mg/kg group died.

Table 14 - continued
Organ weights
Male, Female, 52w

Sex	Group and dose		Kidneys		Adrenals		Epididymides		Testes	
			(g)	(g/100 gB.W.)	(mg)	(mg/100 gB.W.)	(g)	(g/100 gB.W.)	(g)	(g/100 gB.W.)
Male	Control	N	10	10	10	10	10	10	10	10
		Mean	3.78	0.47	63.7	7.9	1.30	0.16	3.60	0.45
		S.D.	±0.50	±0.05	±8.7	±1.2	±0.10	±0.03	±0.33	±0.06
	0.1 mg/kg	N	8	8	8	8	8	8	8	8
		Mean	3.76	0.48	61.6	8.0	1.35	0.18	3.61	0.47
		S.D.	±0.46	±0.08	±8.3	±1.9	±0.08	±0.04	±0.36	±0.10
	0.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	4.29	0.51	60.9	7.3	1.37	0.17	3.78	0.46
		S.D.	±0.63	±0.06	±10.9	±1.1	±0.13	±0.02	±0.31	±0.07
	2.5 mg/kg	N	10	10	10	10	10	10	10	10
		Mean	4.12	0.68**	55.6	9.1	1.28	0.22*	3.65	0.61**
		S.D.	±0.40	±0.09	±8.8	±0.9	±0.26	±0.06	±0.73	±0.15
Female	Control	N	10	10	10	10				
		Mean	2.29	0.55	76.3	18.4				
		S.D.	±0.43	±0.08	±16.8	±4.0				
	0.5 mg/kg	N	10	10	10	10				
		Mean	2.35	0.54	79.6	18.0				
		S.D.	±0.33	±0.06	±25.3	±4.7				
	2.5 mg/kg	N	10	10	10	10				
		Mean	2.39	0.52	81.2	17.6				
		S.D.	±0.29	±0.13	±32.9	±8.1				
	12.5 mg/kg	N	9	9	9	9				
		Mean	2.63	0.63	73.9	17.7				
		S.D.	±0.26	±0.09	±10.2	±3.4				

701
*: P<0.05, **: P<0.01 (significantly different from control).
Two males in the 0.1 mg/kg group and one female in the 12.5 mg/kg group died.

Table 14 - continued Organ weights
Male, Female, 52w

Sex	Group and dose		Ovaries		Uterus	
			(mg)	(mg/100 gB.W.)	(g)	(g/100 gB.W.)
Male	Control	N				
		Mean				
		S.D.				
	0.1 mg/kg	N				
		Mean				
		S.D.				
	0.5 mg/kg	N				
		Mean				
		S.D.				
	2.5 mg/kg	N				
		Mean				
		S.D.				
Female	Control	N	10	10	10	10
		Mean	67.0	16.0	0.97	0.24
		S.D.	±17.0	±3.3	±0.25	±0.08
	0.5 mg/kg	N	10	10	10	10
		Mean	62.2	14.3	0.96	0.22
		S.D.	±17.5	±4.4	±0.24	±0.06
	2.5 mg/kg	N	10	10	10	10
		Mean	64.5	13.5	0.97	0.22
		S.D.	±32.6	±5.5	±0.26	±0.09
	12.5 mg/kg	N	8	8	9	9
		Mean	60.9	14.3	1.03	0.25
		S.D.	±18.2	±2.5	±0.22	±0.08

Not significantly different from control.

One female in the 12.5 mg/kg group died.

The ovaries in one female in the 12.5 mg/kg group were not weighed due to the dilatation of paraovarian bursa, prevents obtaining the actual ovary weights.