Table 27 Hematology - Summary Female Study No. B041794

Test Substance Dose(mg/kg)		Red Blood Cell Count x10E6/μL		Hemoglobin conc. g/dL		Hematocrit %		MCV fL		MCH pg		MCHC %		Platelet Count x10E3/μL		Reticulocyte Ratio %		PT sec	
		Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57
CCH 0	Mean	6.850	8.370	13.16	15.30	39.24	44.12	57.38	52.74	19.30	18.30	33.64	34.70	1078.2	1049.8	6.10	2.36	17.72	15.18
	S.D.	0.453	0.333	0.43	0.42	1.54	0.97	2.79	1.92	0.87	0.69	0.30	0.37	140.2	132.4	1.87	0.36	0.76	0.64
	n	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
CCH 10	Mean	6.790		13.16		38.52		56.72		19.36		34.12		1172.8		6.08		17.48	
	S.D.	0.158		0.34		1.09		0.63		0.25		0.28		151.5		1.32		1.16	
	n	5		5		5		5		5		5		5		5		5	
CCH 60	Mean	6.758		13.16		38.98		57.74		19.46		33.72		1132.4		6.58		18.18	
	S.D.	0.215		0.51		0.94		2.25		0.82		0.64		158.0		1.73		0.70	
	n	5		5		5		5		5		5		5		5		5	
CCH 300	Mean	6.926	7.964	13.56	15.26	39.74	43.92	57.44	55.16	19.60	19.16	34.12	34.76	1162.2	985.8	6.00	2.40	18.38	16.24
	S.D.	0.564	0.259	0.81	0.55	3.08	1.78	1.95	1.66	0.65	0.57	0.64	0.19	184.6	162.7	1.54	0.65	0.66	0.85
	n	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Significantly different from control : *, $P<0.05$; **, $P<0.01$.

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Table 27 Hematology - Summary Female Study No. B041794

Test Substance / Dose (mg/kg)		APTT sec Day 43	APTT sec Day 57
CCH	Mean	16.18	15.22
0	S.D.	1.14	1.77
	n	5	5
CCH	Mean	15.60	
10	S.D.	1.00	
	n	5	
CCH	Mean	15.90	
60	S.D.	0.83	
	n	5	
CCH	Mean	15.52	15.08
300	S.D.	0.73	0.97
	n	5	5

Significantly different from control : *, $P<0.05$; **, $P<0.01$.

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Table 27 Hematology - Summary Female Study No. B041794

Test Substance Dose(mg/kg)		White Blood Cell Count x10E3/μL Day 43	Day 57
CCH	Mean	8.410	5.700
0	S.D.	2.005	0.681
	n	5	5
CCH	Mean	9.860	
10	S.D.	0.608	
	n	5	
CCH	Mean	9.698	
60	S.D.	2.926	
	n	5	
CCH	Mean	9.136	7.276
300	S.D.	0.713	2.319
	n	5	5

Significantly different from control : *, P<0.05; **, P<0.01.

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Table 27 Hematology - Summary Female

Study No. B041794

Test Substance Dose (mg/kg)		Lymphocyte %		Neutrophilic Segmented %		Neutrophilic Band %		Eosinophil %		Basophil %		Monocyte %	
		Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57
CCH 0	Mean	73.66	90.58	23.32	8.02	0.20	0.00	0.20	0.60	0.00	0.00	2.62	0.80
	S.D.	5.54	5.66	5.55	5.03	0.45	0.00	0.45	0.89	0.00	0.00	2.18	0.84
	n	5	5	5	5	5	5	5	5	5	5	5	5
CCH 10	Mean	70.54		26.26		0.60		0.40		0.00		2.20	
	S.D.	4.24		4.18		0.89		0.89		0.00		1.79	
	n	5		5		5		5		5		5	
CCH 60	Mean	65.90		31.30		0.20		0.40		0.00		2.20	
	S.D.	11.59		11.23		0.45		0.55		0.00		1.79	
	n	5		5		5		5		5		5	
CCH 300	Mean	76.80	91.58	19.80	6.62	0.60	0.00	0.20	0.20	0.00	0.00	2.60	1.60
	S.D.	7.85	4.83	7.40	4.45	0.89	0.00	0.45	0.45	0.00	0.00	2.07	0.89
	n	5	5	5	5	5	5	5	5	5	5	5	5

Significantly different from control : *, $P<0.05$; **, $P<0.01$.

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Table 28 Blood Chemistry - Summary Male Study No. B041794

Test Substance Dose(mg/kg)		ASAT(GOT) U/L		ALAT(GPT) U/L		γGT U/L		ALP U/L		Total Bilirubin mg/dL		Urea Nitrogen mg/dL		Creatinine mg/dL		Glucose mg/dL		Total Cholesterol mg/dL	
		Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57
CCH 0	Mean	98.0	114.4	23.2	29.8	0.4	1.4	406.8	318.0	0.10	0.08	12.18	13.72	0.30	0.30	131.8	125.8	56.2	64.6
	S.D.	22.3	21.5	3.1	4.5	0.5	0.5	144.7	51.9	0.00	0.04	1.38	1.48	0.00	0.07	7.8	8.8	14.4	9.6
	n	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
CCH 10	Mean	99.6		32.2		1.0		365.6		0.10		13.62		0.30		146.2		64.8	
	S.D.	22.4		12.3		0.7		70.0		0.00		1.73		0.07		17.7		13.5	
	n	5		5		5		5		5		5		5		5		5	
CCH 60	Mean	88.4		26.0		0.6		384.8		0.08		12.18		0.28		145.0		62.2	
	S.D.	15.6		5.4		0.5		69.2		0.04		1.76		0.08		11.0		12.9	
	n	5		5		5		5		5		5		5		5		5	
CCH 300	Mean	96.6	109.6	29.8	29.4	1.0	1.6	414.4	287.6	0.10	0.06	11.74	14.06	0.26	0.24	124.4	130.4	65.6	74.2
	S.D.	19.3	16.6	8.6	4.6	0.7	0.5	52.8	50.5	0.00	0.05	1.32	1.06	0.05	0.05	15.0	11.2	6.7	21.3
	n	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Significantly different from control : *, P<0.05; **, P<0.01.

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Table 28 Blood Chemistry - Summary Male Study No. B041794

Test Substance Dose (mg/kg)		Triglyceride mg/dL		Total Protein g/dL		Albumin g/dL		A/G Ratio		Calcium mg/dL		Inorganic Phosphorus mg/dL		Na mmol/L		K mmol/L		Cl mmol/L	
		Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57
CCH	Mean	30.2	29.0	6.62	6.70	3.04	3.02	0.848	0.826	9.94	9.82	8.20	7.96	148.2	149.0	4.80	4.46	105.0	106.2
0	S.D.	15.4	9.5	0.24	0.14	0.11	0.11	0.019	0.078	0.23	0.19	0.36	0.83	1.1	0.7	0.23	0.19	1.2	0.8
	n	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
CCH	Mean	49.6		6.80		3.08		0.832		10.12		7.72		148.0		4.68		105.2	
10	S.D.	32.8		0.32		0.13		0.036		0.28		0.72		0.0		0.26		0.8	
	n	5		5		5		5		5		5		5		5		5	
CCH	Mean	37.8		6.70		3.06		0.844		10.02		7.94		148.8		4.54		106.2	
60	S.D.	10.2		0.37		0.05		0.079		0.37		0.68		0.8		0.21		0.8	
	n	5		5		5		5		5		5		5		5		5	
CCH	Mean	24.6	40.6	6.70	6.72	3.08	3.08	0.856	0.836	9.98	10.06	8.74	7.66	148.6	148.8	4.72	4.64	105.2	106.2
300	S.D.	8.4	13.6	0.12	0.23	0.04	0.08	0.027	0.034	0.36	0.34	0.55	0.48	0.9	0.8	0.11	0.23	1.3	1.3
	n	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Significantly different from control : *, P<0.05; **, P<0.01.

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Table 29 Blood Chemistry - Summary Female Study No. B041794

Test Substance Dose(mg/kg)		ASAT(GOT) U/L		ALAT(GPT) U/L		γGT U/L		ALP U/L		Total Bilirubin mg/dL		Urea Nitrogen mg/dL		Creatinine mg/dL		Glucose mg/dL		Total Cholesterol mg/dL	
		Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57
CCH 0	Mean	142.4	126.0	53.8	22.0	1.0	2.2	356.0	144.0	0.08	0.10	19.18	14.18	0.36	0.32	135.8	137.8	65.2	82.8
	S.D.	27.2	17.9	10.1	4.2	0.0	0.4	178.0	48.8	0.04	0.00	2.42	2.31	0.05	0.04	9.9	9.9	13.3	25.8
	n	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
CCH 10	Mean	116.0		38.6		1.4		238.0		0.06		20.42		0.38		124.2		66.8	
	S.D.	20.5		6.6		0.9		43.3		0.05		5.43		0.08		7.7		16.8	
	n	5		5		5		5		5		5		5		5		5	
CCH 60	Mean	142.8		46.0		0.6		239.4		0.06		18.00		0.40		124.8		65.2	
	S.D.	23.0		6.6		0.5		60.2		0.05		2.14		0.00		8.8		12.8	
	n	5		5		5		5		5		5		5		5		5	
CCH 300	Mean	139.2	108.8	50.0	20.8	1.0	1.4*	293.0	165.4	0.06	0.10	22.16	15.74	0.32	0.32	134.4	126.4	67.2	83.2
	S.D.	26.2	21.5	9.3	2.6	1.0	0.5	107.7	31.0	0.05	0.00	2.51	2.27	0.08	0.04	10.1	12.4	11.3	15.3
	n	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Significantly different from control : *, P<0.05; **, P<0.01.

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Table 29 Blood Chemistry - Summary Female

Study No. B041794

Test Substance Dose (mg/kg)		Triglyceride mg/dL		Total Protein g/dL		Albumin g/dL		A/G Ratio		Calcium mg/dL		Inorganic Phosphorus mg/dL		Na mmol/L		K mmol/L		Cl mmol/L	
		Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57
CCH	Mean	65.2	17.2	6.78	7.24	3.02	3.50	0.818	0.932	11.38	10.32	10.38	7.74	146.4	147.2	4.84	4.64	102.0	106.0
0	S.D.	30.5	6.2	0.41	0.56	0.18	0.34	0.048	0.055	0.51	0.36	0.89	0.62	0.9	1.3	0.39	0.21	1.6	2.4
	n	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
CCH	Mean	57.4		6.28		2.94		0.890		10.94		10.16		146.4		4.52		105.0	
10	S.D.	27.0		0.50		0.29		0.086		0.51		0.49		0.5		0.16		2.6	
	n	5		5		5		5		5		5		5		5		5	
CCH	Mean	39.4		6.74		3.12		0.862		11.14		10.20		146.8		4.76		103.4	
60	S.D.	16.9		0.17		0.26		0.086		0.40		1.01		0.8		0.25		3.0	
	n	5		5		5		5		5		5		5		5		5	
CCH	Mean	59.6	16.2	6.74	7.16	3.16	3.42	0.880	0.932	10.82	10.34	8.66*	8.36	147.0	147.0	4.48	4.78	105.4	105.6
300	S.D.	49.5	5.0	0.38	0.22	0.27	0.29	0.074	0.095	0.29	0.28	0.85	0.57	1.4	1.9	0.25	0.24	1.9	2.2
	n	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Significantly different from control : *, P<0.05; **, P<0.01.

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Table 30 Urinalysis - Summary Male

Study No. B041794

Test Substance Dose(mg/kg)		pH									Protein					Glucose					Ketones					Bilirubin				Occult Blood				
		5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	>=9	-	+/-	1+	2+	3+	-	+/-	1+	2+	3+	-	+/-	1+	2+	3+	-	1+	2+	3+	-	+/-	1+	2+	3+
		Day 38									Day 38					Day 38					Day 38					Day 38				Day 38				
CCH 0	n	0	0	0	0	0	0	1	2	2	0	0	1	4	0	5	0	0	0	0	0	0	3	2	0	5	0	0	0	5	0	0	0	0
CCH 10	n	0	0	0	0	0	0	0	1	4	0	0	2	3	0	5	0	0	0	0	0	1	3	1	0	5	0	0	0	5	0	0	0	0
CCH 60	n	0	0	0	0	0	0	0	1	4	0	0	0	5	0	4	1	0	0	0	0	0	3	2	0	5	0	0	0	5	0	0	0	0
CCH 300	n	0	0	0	0	0	0	1	3	1	0	0	4	1	0	5	0	0	0	0	0	1	3	1	0	5	0	0	0	5	0	0	0	0

Significantly different from control : *, P<0.05; **, P<0.01.

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Table 30 Urinalysis - Summary Male Study No. B041794

Test Substance Dose(mg/kg)	Urobilinogen EU/dl 0.1	1.0	2.0	4.0	>=8
	Day 38				
CCH 0 n	4	1	0	0	0
CCH 10 n	4	1	0	0	0
CCH 60 n	2	3	0	0	0
CCH 300 n	4	1	0	0	0

Significantly different from control : *, P<0.05; **, P<0.01.

Table 31 Organ Weight - Summary Male Study No. B041794

Test Substance Dose(mg/kg)		Final Body Weight g		Brain g		Thymus mg		Heart g		Liver g		Spleen g		Kidneys g		Adrenals mg		Testes g	
		Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57
CCH	Mean	483.7	500.0	2.144	2.142	336.6	360.8	1.562	1.696	12.074	12.786	0.804	0.834	3.004	3.334	60.56	56.62	3.497	3.434
0	S.D.	36.4	21.0	0.054	0.076	66.2	81.9	0.123	0.109	1.622	0.747	0.099	0.139	0.214	0.199	9.72	5.16	0.349	0.141
	n	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	5
CCH	Mean	489.0		2.112		280.0		1.642		12.992		0.800		2.816		59.98		3.359	
10	S.D.	34.5		0.051		92.9		0.123		2.161		0.137		0.128		8.04		0.332	
	n	12		5		5		5		5		5		5		5		12	
CCH	Mean	479.8		2.150		327.2		1.490		12.836		0.876		3.184		65.40		3.361	
60	S.D.	43.9		0.143		21.6		0.127		1.974		0.149		0.273		6.18		0.555	
	n	12		5		5		5		5		5		5		5		12	
CCH	Mean	436.6	499.6	2.072	2.102	300.6	335.6	1.582	1.724	12.318	14.326	0.806	0.806	3.326	3.756	56.46	53.56	3.493	3.246
300	S.D.	24.5	43.5	0.051	0.067	50.8	67.7	0.165	0.185	1.288	1.793	0.098	0.075	0.279	0.535	3.85	7.00	0.221	0.745
	n	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	5

Significantly different from control : *, P<0.05; **, P<0.01.

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Table 31 Organ Weight - Summary Male Study No. B041794

Test Substance Dose(mg/kg)		Epididymides g Day 43	Day 57
CCH	Mean	1.299	1.350
0	S.D.	0.112	0.091
	n	7	5
CCH	Mean	1.258	
10	S.D.	0.146	
	n	12	
CCH	Mean	1.291	
60	S.D.	0.176	
	n	12	
CCH	Mean	1.299	1.292
300	S.D.	0.109	0.274
	n	7	5

Significantly different from control : *, P<0.05; **, P<0.01.

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Table 32

Study No. B041794

Organ Weight - Summary (F0 Delivered-on Weaning)
Sex : Female

Test Substance Dose (mg/kg)		F. B. W. (g)	Brain (g)	Thymus (mg)	Heart (g)	Liver (g)	Spleen (g)	Kidneys (g)	Adrenals (mg)
CCH	Mean	305.8	1.966	214.2	1.084	10.866	0.708	2.072	70.24
0	S. D.	27.0	0.069	71.3	0.047	0.786	0.086	0.148	10.73
	n	5	5	5	5	5	5	5	5
CCH	Mean	295.4	1.884	253.8	1.036	10.494	0.750	1.854	74.22
10	S. D.	24.5	0.042	23.0	0.099	1.544	0.109	0.115	7.94
	n	5	5	5	5	5	5	5	5
CCH	Mean	299.0	1.922	232.6	1.032	10.664	0.808	1.968	76.22
60	S. D.	12.8	0.036	76.2	0.077	0.932	0.271	0.186	5.97
	n	5	5	5	5	5	5	5	5
CCH	Mean	286.0	1.884	228.6	0.942*	10.890	0.658	2.006	66.24
300	S. D.	17.4	0.070	62.9	0.057	0.576	0.092	0.134	6.76
	n	5	5	5	5	5	5	5	5

Significantly different from control : *, P<0.05; **, P<0.01.

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Table 33 Organ Weight - Summary Female # Study No. B041794

Test Substance Dose(mg/kg)		Final Body Weight g Day 57	Brain g Day 57	Thymus mg Day 57	Heart g Day 57	Liver g Day 57	Spleen g Day 57	Kidneys g Day 57	Adrenals mg Day 57
CCH	Mean	289.8	1.952	273.2	0.968	7.484	0.468	1.828	66.86
0	S.D.	19.5	0.030	38.6	0.057	0.565	0.094	0.206	12.71
	n	5	5	5	5	5	5	5	5
CCH	Mean	282.2	1.910	304.6	0.924	7.812	0.596*	1.886	69.92
300	S.D.	11.8	0.029	36.7	0.059	0.573	0.076	0.119	12.29
	n	5	5	5	5	5	5	5	5

Significantly different from control : *, P<0.05; **, P<0.01.
#:Satellite animal

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Table 34 Relative Organ Weight - Summary Male

Study No. B041794

Test Substance Dose(mg/kg)		Final Body Weight g		Brain %		Thymus x10^{-3}%		Heart %		Liver %		Spleen %		Kidneys %		Adrenals x10^{-3}%		Testes %	
		Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57	Day 43	Day 57
CCH	Mean	483.7	500.0	0.448	0.428	69.92	72.42	0.326	0.340	2.516	2.558	0.168	0.166	0.628	0.668	12.56	11.32	0.726	0.688
0	S.D.	36.4	21.0	0.038	0.022	9.47	16.78	0.018	0.034	0.144	0.049	0.029	0.021	0.049	0.040	0.98	0.83	0.082	0.028
	n	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	5
CCH	Mean	489.0		0.448		58.40		0.346		2.732		0.168		0.596		12.72		0.692	
10	S.D.	34.5		0.028		15.54		0.023		0.317		0.031		0.040		1.93		0.092	
	n	12		5		5		5		5		5		5		5		12	
CCH	Mean	479.8		0.460		70.24		0.318		2.726		0.188		0.678		14.06		0.705	
60	S.D.	43.9		0.016		9.06		0.015		0.215		0.041		0.066		2.02		0.124	
	n	12		5		5		5		5		5		5		5		12	
CCH	Mean	436.6	499.6	0.474	0.424	68.36	66.82	0.362	0.344	2.808	2.860**	0.186	0.160	0.762**	0.750*	12.92	10.68	0.803	0.650
300	S.D.	24.5	43.5	0.034	0.030	8.76	9.32	0.035	0.009	0.196	0.131	0.027	0.007	0.067	0.062	1.00	0.66	0.052	0.142
	n	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	5

Significantly different from control : *, P<0.05; **, P<0.01.

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Table 34 Relative Organ Weight - Summary Male Study No. B041794

Test Substance Dose(mg/kg)		Epididymides % Day 43	Day 57
CCH	Mean	0.270	0.270
0	S.D.	0.037	0.012
	n	7	5
CCH	Mean	0.259	
10	S.D.	0.039	
	n	12	
CCH	Mean	0.270	
60	S.D.	0.038	
	n	12	
CCH	Mean	0.297	0.258
300	S.D.	0.021	0.054
	n	7	5

Significantly different from control : *, P<0.05; **, P<0.01.

Table 35

Study No. B041794

Relative Organ Weight - Summary (F0 Delivered-on Weaning)
Sex : Female

Unit : g/100gBW

Test Substance Dose (mg/kg)		F.B.W. (g)	Brain	Thymus ($\times 10^{-3}$)	Heart	Liver	Spleen	Kidneys	Adrenals ($\times 10^{-3}$)
CCH	Mean	305.8	0.646	68.98	0.356	3.568	0.232	0.680	23.04
0	S.D.	27.0	0.048	18.05	0.027	0.295	0.028	0.062	3.48
	n	5	5	5	5	5	5	5	5
CCH	Mean	295.4	0.642	86.40	0.348	3.536	0.254	0.628	25.14
10	S.D.	24.5	0.053	10.77	0.015	0.238	0.026	0.020	1.74
	n	5	5	5	5	5	5	5	5
CCH	Mean	299.0	0.642	77.26	0.346	3.562	0.268	0.658	25.48
60	S.D.	12.8	0.023	22.89	0.021	0.213	0.080	0.038	1.65
	n	5	5	5	5	5	5	5	5
CCH	Mean	286.0	0.662	79.60	0.330	3.818	0.230	0.702	23.22
300	S.D.	17.4	0.053	19.25	0.020	0.245	0.025	0.050	2.43
	n	5	5	5	5	5	5	5	5

Significantly different from control : *, $P<0.05$; **, $P<0.01$.

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Table 36 Relative Organ Weight - Summary Female # Study No. B041794

Test Substance Dose(mg/kg)		Final Body Weight g Day 57	Brain % Day 57	Thymus x10⁻³% Day 57	Heart % Day 57	Liver % Day 57	Spleen % Day 57	Kidneys % Day 57	Adrenals x10⁻³% Day 57
CCH	Mean	289.8	0.678	93.94	0.332	2.584	0.160	0.628	23.02
0	S.D.	19.5	0.048	8.69	0.016	0.096	0.024	0.041	3.80
	n	5	5	5	5	5	5	5	5
CCH	Mean	282.2	0.676	108.20	0.330	2.766*	0.212*	0.666	24.74
300	S.D.	11.8	0.030	14.53	0.010	0.120	0.026	0.019	3.98
	n	5	5	5	5	5	5	5	5

Significantly different from control : *, P<0.05; **, P<0.01.
#:Satellite animal

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Table 37 Necropsy Findings - Summary Scheduled Sacrifice

Organ / Findings	Sex	Male				Female			
	Test Substance	CCH	CCH	CCH	CCH	CCH	CCH	CCH	CCH
	Dose	0	10	60	300	0	10	60	300
	Dose Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Number of Animals	7	12	12	7	12	12	12	12
	Number of Animals Examined	<7>	<12>	<12>	<7>	<12>	<11>	<11>	<12>
Thymus									
Small		0	0	0	0	0	0	1	0
Liver									
Abnormal lobation		0	0	0	0	1	0	0	0
Nodule		2	0	0	0	0	0	0	0
Testis									
Small		0	0	1	0				
Soft		0	0	1	0				
Epididymis									
Small		0	0	1	0				
Yellowish change		0	0	1	0				

Table 37 Necropsy Findings - Summary Not delivery and Total litter loss

	Sex	Male				Female			
	Test Substance	CCH	CCH	CCH	CCH	CCH	CCH	CCH	CCH
	Dose	0	10	60	300	0	10	60	300
Organ	Dose Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Findings	Number of Animals	7	12	12	7	12	12	12	12
	Number of Animals Examined	<0>	<0>	<0>	<0>	<0>	<1>	<1>	<0>
Thymus									
Small							0	1	
Spleen									
Small							0	1	
Ovary									
Cystic dilatation							1	0	
Uterus									
Fetal rest							1	0	

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Table 37 Necropsy Findings - Summary Scheduled Sacrifice (Recovery)

	Sex	Male		Female	
	Test Substance	CCH	CCH	CCH	CCH
	Dose	0	300	0	300
Organ	Dose Unit	mg/kg	mg/kg	mg/kg	mg/kg
Findings	Number of Animals	5	5	5	5
	Number of Animals Examined	〈5〉	〈5〉	〈5〉	〈5〉
Testis					
Small		0	1		

Table 38 Histological Findings - Summary Scheduled Sacrifice

Organ / Findings	Sex		Male				Female			
	Test Substance		CCH	CCH	CCH	CCH	CCH	CCH	CCH	CCH
	Dose		0	10	60	300	0	10	60	300
	Dose Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Number of Animals		7	12	12	7	12	12	12	12
		Grade								
Heart			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Cell infiltration, inflammatory		1	3			2	2			2
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Lymph node, mandibular			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Lymph node, mesenteric			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Thymus			<5>	<0>	<0>	<5>	<5>	<0>	<1>	<5>
Atrophy		1	0			0	3		0	3
		2	0			0	0		1	0
		3	0			0	0		0	0
		4	0			0	0		0	0
Spleen			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Extramedullary hematopoiesis, erythrocytic		1	0			0	3			4
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Bone marrow, femur			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>

◇ , Number of animals examined
1 , Minimal; 2 , Mild; 3 , Moderate; 4 , Severe

Table 38 Histological Findings - Summary Scheduled Sacrifice

Organ / Findings	Sex	Grade	Male CCH 0 mg/kg	Male CCH 10 mg/kg	Male CCH 60 mg/kg	Male CCH 300 mg/kg	Female CCH 0 mg/kg	Female CCH 10 mg/kg	Female CCH 60 mg/kg	Female CCH 300 mg/kg
	Test Substance		CCH	CCH	CCH	CCH	CCH	CCH	CCH	CCH
	Dose		0	10	60	300	0	10	60	300
	Dose Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Number of Animals		7	12	12	7	12	12	12	12
Trachea			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Dilatation, tracheal gland		1	0			0	0			1
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Lung (and bronchus)			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Accumulation, foam cell, alveolus		1	1			2	2			2
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Hemorrhage		1	1			0	1			0
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Metaplasia, osseous		1	0			0	1			0
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Mineralization, arterial wall		1	0			0	0			1
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0

◇ , Number of animals examined
1 , Minimal; 2 , Mild; 3 , Moderate; 4 , Severe

Table 38 Histological Findings - Summary Scheduled Sacrifice

Organ / Findings	Sex		Male				Female			
	Test Substance		CCH	CCH	CCH	CCH	CCH	CCH	CCH	CCH
	Dose		0	10	60	300	0	10	60	300
	Dose Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Number of Animals		7	12	12	7	12	12	12	12
		Grade								
Stomach			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Ectopic pancreatic tissue		1	0			0	1			0
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Small intestine, duodenum			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Small intestine, jejunum			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Small intestine, ileum			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Large intestine, cecum			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Large intestine, colon			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Large intestine, rectum			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Liver			<5>	<0>	<0>	<5>	<6>	<0>	<0>	<5>
Cell infiltration, inflammatory, focal		1	2			2	2			1
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Fatty change, hepatocyte, focal		1	2			0	0			0
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0

◇ , Number of animals examined
1 , Minimal; 2 , Mild; 3 , Moderate; 4 , Severe

Table 38 Histological Findings - Summary Scheduled Sacrifice

Organ / Findings	Sex		Male				Female			
	Test Substance		CCH	CCH	CCH	CCH	CCH	CCH	CCH	CCH
	Dose		0	10	60	300	0	10	60	300
	Dose Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Number of Animals		7	12	12	7	12	12	12	12
		Grade								
Liver			〈5〉	〈0〉	〈0〉	〈5〉	〈6〉	〈0〉	〈0〉	〈5〉
Vacuolation, hepatocyte, perilobular		1	2			1	0			0
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Kidney			〈5〉	〈5〉	〈5〉	〈5〉	〈5〉	〈0〉	〈0〉	〈5〉
Basophilic tubule, proximal tubule		1	4	1	2	1	3			1
		2	0	0	0	0	0			0
		3	0	0	0	0	0			0
		4	0	0	0	0	0			0
Cast, hyaline, tubule		1	1	0	1	0	0			0
		2	0	0	0	0	0			0
		3	0	0	0	0	0			0
		4	0	0	0	0	0			0
Cell infiltration, lymphocyte, interstitium		1	1	2	0	2	1			0
		2	0	0	0	0	0			0
		3	0	0	0	0	0			0
		4	0	0	0	0	0			0
Hyaline droplet, proximal tubular epithelium		1	0	1	1	0	** 0			0
		2	0	0	0	5	0			0
		3	0	0	0	0	0			0
		4	0	0	0	0	0			0

◇, Number of animals examined
1, Minimal; 2, Mild; 3, Moderate; 4, Severe
Significantly different from control : **, P<0.01.

Table 38 Histological Findings - Summary Scheduled Sacrifice

Organ / Findings	Sex	Grade	Male CCH 0 mg/kg 7	Male CCH 10 mg/kg 12	Male CCH 60 mg/kg 12	Male CCH 300 mg/kg 7		Female CCH 0 mg/kg 12	Female CCH 10 mg/kg 12	Female CCH 60 mg/kg 12	Female CCH 300 mg/kg 12	
Urinary bladder			<5>	<5>	<5>	<5>		<5>	<5>	<5>	<5>	
Cell infiltration, lymphocyte, lamina propria		1	0	0	0	1		0	0	0	1	
		2	0	0	0	0		0	0	0	0	
		3	0	0	0	0		0	0	0	0	
		4	0	0	0	0		0	0	0	0	
Hyperplasia, mucosal epithelium		1	0	0	2	4	*	0	0	0	4	*
		2	0	0	0	0		0	0	0	0	
		3	0	0	0	0		0	0	0	0	
		4	0	0	0	0		0	0	0	0	
Testis			<5>	<0>	<1>	<5>						
Atrophy, seminiferous tubular epithelium		1	1		0	0						
		2	0		1	0						
		3	0		0	0						
		4	0		0	0						
Epididymis			<5>	<0>	<2>	<5>						
Cell debris, duct		1	0		1	0						
		2	0		0	0						
		3	0		0	0						
		4	0		0	0						
Cell infiltration, lymphocyte, focal		1	0		0	1						
		2	0		0	0						
		3	0		0	0						
		4	0		0	0						

◇, Number of animals examined
1, Minimal; 2, Mild; 3, Moderate; 4, Severe
Significantly different from control : *, P<0.05.

Table 38 Histological Findings - Summary Scheduled Sacrifice

Organ / Findings	Sex	Grade	Male				Female			
	Test Substance		CCH	CCH	CCH	CCH	CCH	CCH	CCH	CCH
	Dose		0	10	60	300	0	10	60	300
	Dose Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Number of Animals		7	12	12	7	12	12	12	12
Epididymis			<5>	<0>	<2>	<5>				
Decrease, sperm, duct		1	0		0	0				
		2	0		1	0				
		3	0		0	0				
		4	0		0	0				
Granulomatous inflammation, spermatic		1	0		1	0				
		2	0		0	0				
		3	0		0	0				
		4	0		0	0				
Seminal vesicle			<5>	<0>	<0>	<5>				
Prostate			<5>	<0>	<0>	<5>				
Cell infiltration, lymphocyte, interstitium		1	2			3				
		2	0			0				
		3	0			0				
		4	0			0				
Coagulating gland			<5>	<0>	<0>	<5>				
Ovary							<5>	<0>	<0>	<5>
Uterus							<5>	<0>	<0>	<5>
Vagina							<5>	<0>	<0>	<5>

◇ , Number of animals examined
1 , Minimal; 2 , Mild; 3 , Moderate; 4 , Severe

Table 38 Histological Findings - Summary Scheduled Sacrifice

Organ / Findings	Sex		Male				Female			
	Test Substance		CCH	CCH	CCH	CCH	CCH	CCH	CCH	CCH
	Dose		0	10	60	300	0	10	60	300
	Dose Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Number of Animals		7	12	12	7	12	12	12	12
		Grade								
Pituitary			〈5〉	〈0〉	〈0〉	〈5〉	〈5〉	〈0〉	〈0〉	〈5〉
Aberrant craniopharyngeal tissue, posterior lobe		1	0			0	0			1
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Thyroid			〈5〉	〈0〉	〈0〉	〈5〉	〈5〉	〈0〉	〈0〉	〈5〉
Ectopic thymic tissue		1	1			0	2			0
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Ultimobrancheal remnant		1	2			2	1			2
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Parathyroid			〈5〉	〈0〉	〈0〉	〈5〉	〈5〉	〈0〉	〈0〉	〈5〉
Adrenal			〈5〉	〈0〉	〈0〉	〈5〉	〈5〉	〈0〉	〈0〉	〈5〉
Accessory adrenocortical tissue		1	1			0	0			1
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0

◇ , Number of animals examined
1 , Minimal; 2 , Mild; 3 , Moderate; 4 , Severe

Table 38 Histological Findings - Summary Scheduled Sacrifice

Organ / Findings	Sex	Grade	Male CCH 0 mg/kg	Male CCH 10 mg/kg	Male CCH 60 mg/kg	Male CCH 300 mg/kg	Female CCH 0 mg/kg	Female CCH 10 mg/kg	Female CCH 60 mg/kg	Female CCH 300 mg/kg
	Test Substance		CCH	CCH	CCH	CCH	CCH	CCH	CCH	CCH
	Dose		0	10	60	300	0	10	60	300
	Dose Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Number of Animals		7	12	12	7	12	12	12	12
Adrenal			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Fatty change, fascicular zone, focal		1	1			0	0			0
		2	0			0	0			0
		3	0			0	0			0
		4	0			0	0			0
Brain			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Spinal cord			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>
Sciatic nerve			<5>	<0>	<0>	<5>	<5>	<0>	<0>	<5>

<>, Number of animals examined
1, Minimal; 2, Mild; 3, Moderate; 4, Severe

Table 38 Histological Findings - Summary Not delivery and Total litter loss

Organ Findings	Sex / Test Substance / Dose / Dose Unit / Number of Animals	Grade	Male CCH 0 mg/kg 7	Male CCH 10 mg/kg 12	Male CCH 60 mg/kg 12	Male CCH 300 mg/kg 7	Female CCH 0 mg/kg 12	Female CCH 10 mg/kg 12	Female CCH 60 mg/kg 12	Female CCH 300 mg/kg 12
Thymus			<0>	<0>	<0>	<0>	<0>	<0>	<1>	<0>
Atrophy		1							0	
		2							0	
		3							1	
		4							0	
Ovary			<0>	<0>	<0>	<0>	<0>	<1>	<0>	<0>
Cell infiltration, inflammatory, bursa		1						1		
		2						0		
		3						0		
		4						0		
Dilatation, bursa		1						1		
		2						0		
		3						0		
		4						0		
Necrosis, luteal cell, unilateral		1						0		
		2						0		
		3						1		
		4						0		

◇ , Number of animals examined
1 , Minimal; 2 , Mild; 3 , Moderate; 4 , Severe