Table 43 (continued) Absolute and relative organ weights in F1 and F2 male rat weanlings treated with 1,2,5,6,9,10-hexabromocyclododecane (HBCD) in the two-generation reproductive toxicity study (SR04222)

Generation	Group	Number of animals		Adrenal[a]		Testis[a]		Epididymis[a]		Prostate	
				mg	10^{-3}%	mg	10^{-3}%	mg	10^{-3}%	mg	10^{-3}%
F1	Control	23	Mean	23.9	28.0	488	565	73.2	85.9	40.0	46.4
			S.D.	3.0	2.6	100	65	9.5	9.8	12.0	10.3
	HBCD 150 ppm	21	Mean	25.0	28.0	550 *	614 *	77.4	86.7	42.0	47.1
			S.D.	3.3	3.9	70	56	9.8	10.3	7.7	8.8
	HBCD 1500 ppm	20	Mean	26.1	29.9	541	615 *	78.3	89.3	42.1	48.2
			S.D.	3.7	4.3	92	61	9.9	7.5	7.1	7.3
	HBCD 15000 ppm	17	Mean	22.8	29.2	494	631 **	70.1	89.9	34.8	44.5
			S.D.	3.6	4.8	70	73	11.6	15.3	9.4	11.1
F2	Control	22	Mean	23.4	28.7	476	574	73.7	90.7	40.6	50.2
			S.D.	5.1	4.4	138	123	16.8	14.1	9.7	9.3
	HBCD 150 ppm	22	Mean	25.1	29.7	510	600	73.6	87.2	42.3	50.2
			S.D.	3.6	3.2	81	55	10.7	10.6	9.5	10.7
	HBCD 1500 ppm	18	Mean	24.3	29.9	475	572	71.8	87.3	41.7	50.8
			S.D.	5.2	4.0	136	93	17.5	9.6	12.1	9.6
	HBCD 15000 ppm	13	Mean	19.6 *	30.4	385	589	61.7 $	96.2	29.5 **	47.3
			S.D.	3.2	2.0	92	54	9.5	10.5	6.8	15.8

a: Values represent the total weights of the organs of both sides.
*: Significantly different from the control at $p \leqq 0.05$ by Dunnett's test.
**: Significantly different from the control at $p \leqq 0.01$ by Dunnett's test.
$: Significantly different from the control at $p \leqq 0.05$ by Mann-Whitney U-test.

Table 44 Absolute and relative organ weights in F1 and F2 female rat weanlings treated with 1,2,5,6,9,10-hexabromocyclododecane (HBCD) in the two-generation reproductive toxicity study (SR04222)

Generation	Group	Number of animals		Body weight	Brain		Thymus		Liver		Kidney[a]		Spleen	
				g	g	%	mg	10^{-3}%	g	%	mg	10^{-3}%	mg	10^{-3}%
F1	Control	23	Mean	78.9	1.58	2.04	335	423	3.61	4.57	932	1189	311	399
			S.D.	10.6	0.09	0.23	64	58	0.55	0.35	102	85	53	75
	HBCD 150 ppm	21	Mean	83.2	1.61	1.96	330	397	3.83	4.59	945	1136	306	370
			S.D.	9.7	0.07	0.19	58	63	0.55	0.28	112	63	44	51
	HBCD 1500 ppm	20	Mean	83.9	1.59	1.91	370	441	4.22 **	5.02 **	958	1143	304	363
			S.D.	8.3	0.08	0.14	58	53	0.56	0.32	115	81	59	67
	HBCD 15000 ppm	14	Mean	72.1	1.51 *	2.10	305	422	4.37 **	6.07 **	815 **	1129	280	388
			S.D.	5.3	0.06	0.16	31	33	0.41	0.36	85	72	40	48
F2	Control	21	Mean	75.3	1.57	2.14	338	447	3.55	4.70	916	1226	325	436
			S.D.	12.5	0.11	0.37	85	81	0.64	0.27	131	93	59	61
	HBCD 150 ppm	22	Mean	75.8	1.58	2.11	324	429	3.57	4.70	885	1169	302	399
			S.D.	8.5	0.07	0.20	50	57	0.48	0.28	98	65	42	43
	HBCD 1500 ppm	20	Mean	73.1	1.55	2.17	331	451	3.63	4.94	868	1194	299	412
			S.D.	12.8	0.12	0.35	69	51	0.74	0.32	144	84	62	61
	HBCD 15000 ppm	13	Mean	57.9 **	1.41 ^{ss}	2.48 ^{ss}	260 **	445	3.42	5.89 **	679 **	1177	225 **	392
			S.D.	11.6	0.15	0.34	80	83	0.77	0.44	138	103	45	53

(to be continued)

a: Values represent the total weights of the organs of both sides.

*: Significantly different from the control at $p \leqq 0.05$ by Dunnett's test.

**: Significantly different from the control at $p \leqq 0.01$ by Dunnett's test.

^{ss}: Significantly different from the control at $p \leqq 0.01$ by Mann-Whitney U-test.

Table 44 (continued) Absolute and relative organ weights in F1 and F2 female rat weanlings treated with 1,2,5,6,9,10-hexabromocyclododecane (HBCD) in the two-generation reproductive toxicity study (SR04222)

Generation	Group	Number of animals		Adrenal[a] mg	Adrenal[a] 10^{-3}%	Ovary[a] mg	Ovary[a] 10^{-3}%	Uterus mg	Uterus 10^{-3}%
F1	Control	23	Mean	21.9	27.8	20.8	26.5	57.0	73.6
			S.D.	3.5	3.8	3.7	4.5	10.9	17.5
	HBCD 150 ppm	21	Mean	23.7	28.7	22.8	27.5	62.0	74.9
			S.D.	2.8	4.0	3.6	4.1	14.1	17.7
	HBCD 1500 ppm	20	Mean	24.2	28.9	21.0	25.0	64.1	76.0
			S.D.	3.8	4.0	4.0	3.8	18.6	18.4
	HBCD 15000 ppm	14	Mean	20.9	28.9	20.9	28.9	51.9	71.9
			S.D.	3.4	4.1	3.4	3.7	12.4	16.2
F2	Control	21	Mean	22.1	29.5	20.0	26.9	60.8	80.9
			S.D.	4.2	4.1	3.9	5.1	16.1	16.3
	HBCD 150 ppm	22	Mean	21.5	28.4	22.9 *	30.5 $^{\$}$	63.6	84.4
			S.D.	2.6	3.4	2.6	3.9	15.1	21.0
	HBCD 1500 ppm	20	Mean	21.5	29.4	20.9	28.8	57.0	78.7
			S.D.	4.3	3.1	3.9	4.2	15.7	21.7
	HBCD 15000 ppm	13	Mean	17.6 **	30.7	18.2	32.1 $^{\$}$	47.6 *	83.7
			S.D.	3.1	2.6	4.0	7.5	11.4	20.3

a: Values represent the total weights of the organs of both sides.
*: Significantly different from the control at $p \leqq 0.05$ by Dunnett's test.
**: Significantly different from the control at $p \leqq 0.01$ by Dunnett's test.
$^{\$}$: Significantly different from the control at $p \leqq 0.05$ by Mann-Whitney U-test.

Table 45 Histopathological findings in F1 and F2 male rat weanlings treated with 1,2,5,6,9,10-hexabromocyclododecane (HBCD) in the two-generation reproductive toxicity study (SR04222)

Generation	Item	Control	HBCD (ppm) 150	1500	15000
F1	Number of weanlings examined[a]	23	21	20	17
	Number of weanlings with abnormal findings	0	0	0	1
	Findings[b]				
	Liver: Necrosis, focal	0	0	0	1
F2	Number of weanlings examined[a]	22	22	18	13
	Number of weanlings with abnormal findings	0	0	0	0

a: Weanlings were examined on the thyroid in the all groups and on the liver in the control and 15000 ppm groups.
b: Values represent the number of animals that showed abnormal findings.

Table 46 Histopathological findings in F1 and F2 female rat weanlings treated with 1,2,5,6,9,10-hexabromocyclododecane (HBCD) in the two-generation reproductive toxicity study (SR04222)

Generation	Item	Control	HBCD (ppm) 150	1500	15000
F1	Number of weanlings examined[a]	23	21	20	14
	Number of weanlings with abnormal findings	0	0	0	0
F2	Number of weanlings examined[a]	21	22	20	13
	Number of weanlings with abnormal findings	0	0	0	0

a: Weanlings were examined on the thyroid in the all groups and on the liver in the control and 15000 ppm groups.