

アクリル酸=2 - ヒドロキシエチルのマウスを用いた
経口投与による 2 週間毒性試験(混水試験)報告書

試験番号：0315

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TABLE 1 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE MICE
IN THE 2-WEEK DRINKING WATER STUDY OF 2-HYDROXYETHYL ACRYLATE

Week on Study	Control			512ppm			1280ppm			3200ppm			8000ppm			20000ppm		
	Av. Wt. <10>	No. of Surviv.		Av. Wt. <10>	% of cont.	No. of Surviv.	Av. Wt. <10>	% of cont.	No. of Surviv.	Av. Wt. <10>	% of cont.	No. of Surviv.	Av. Wt. <10>	% of cont.	No. of Surviv.	Av. Wt. <10>	% of cont.	No. of Surviv.
0-0	22.5 (10)	10 / 10		22.5 (10)	100	10 / 10	22.5 (10)	100	10 / 10	22.5 (10)	100	10 / 10	22.5 (10)	100	10 / 10	22.5 (10)	100	10 / 10
1-3	22.8 (10)	10 / 10		21.9 (10)	96	10 / 10	22.4 (10)	98	10 / 10	21.4 (10)	94	10 / 10	18.7 (10)	82	10 / 10	17.7 (10)	78	10 / 10
1-7	23.3 (10)	10 / 10		22.9 (10)	98	10 / 10	23.2 (10)	100	10 / 10	22.2 (10)	95	10 / 10	18.9 (10)	81	10 / 10	14.8 (10)	64	10 / 10
2-3	23.0 (10)	10 / 10		23.7 (10)	103	10 / 10	23.4 (10)	102	10 / 10	22.6 (10)	98	10 / 10	18.9 (10)	82	10 / 10	13.7 (8)	60	8 / 10
2-7	24.4 (9)	9 / 10		24.6 (10)	101	10 / 10	24.1 (10)	99	10 / 10	22.8 (10)	93	10 / 10	19.6 (9)	80	9 / 10	12.8 (3)	52	3 / 10
< > : No.of effective animals, () : No.of measured animals Av.Wt.:g																		

TABLE 2 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF FEMALE MICE
IN THE 2-WEEK DRINKING WATER STUDY OF 2-HYDROXYETHYL ACRYLATE

Week on Study	Control			512ppm			1280ppm			3200ppm			8000ppm			20000ppm		
	Av. Wt. <10>	No. of Surviv.		Av. Wt. <10>	% of cont.	No. of Surviv.	Av. Wt. <10>	% of cont.	No. of Surviv.	Av. Wt. <10>	% of cont.	No. of Surviv.	Av. Wt. <10>	% of cont.	No. of Surviv.	Av. Wt. <10>	% of cont.	No. of Surviv.
0-0	17.5 (10)	10 / 10		17.6 (10)	101	10 / 10	17.5 (10)	100	10 / 10	17.5 (10)	100	10 / 10	17.5 (10)	100	10 / 10	17.5 (10)	100	10 / 10
1-3	16.7 (10)	10 / 10		17.9 (10)	107	10 / 10	17.5 (10)	105	10 / 10	17.0 (10)	102	10 / 10	14.4 (10)	86	10 / 10	13.3 (10)	80	10 / 10
1-7	18.7 (10)	10 / 10		19.1 (10)	102	10 / 10	19.1 (10)	102	10 / 10	18.2 (10)	97	10 / 10	14.5 (10)	78	10 / 10	10.7 (9)	57	9 / 10
2-3	18.9 (10)	10 / 10		19.0 (10)	101	10 / 10	18.9 (10)	100	10 / 10	18.1 (10)	96	10 / 10	15.1 (10)	80	10 / 10	— ()	—	0 / 10
2-7	19.2 (10)	10 / 10		19.8 (10)	103	10 / 10	19.6 (10)	102	10 / 10	19.2 (10)	100	10 / 10	15.6 (10)	81	10 / 10	— ()	—	0 / 10
< > : No.of effective animals, () : No.of measured animals Av.Wt.:g																		

TABLE 3 WATER CONSUMPTION CHANGES OF MALE MICE
IN THE 2-WEEK DRINKING WATER STUDY OF 2-HYDROXYETHYL ACRYLATE

Week on Study	Control			512ppm			1280ppm			3200ppm			8000ppm			20000ppm		
	Av. Wc. <10>	No. of Surviv.		Av. Wc. <10>	% of cont.	No. of Surviv.	Av. Wc. <10>	% of cont.	No. of Surviv.	Av. Wc. <10>	% of cont.	No. of Surviv.	Av. Wc. <10>	% of cont.	No. of Surviv.	Av. Wc. <10>	% of cont.	No. of Surviv.
1-3	4.2 (10)	10 / 10		3.3 (10)	79	10 / 10	3.1 (10)	74	10 / 10	2.2 (10)	52	10 / 10	0.9 (10)	21	10 / 10	0.4 (10)	10	10 / 10
1-7	4.5 (10)	10 / 10		3.2 (10)	71	10 / 10	2.7 (10)	60	10 / 10	2.0 (10)	44	10 / 10	1.2 (10)	27	10 / 10	0.4 (10)	9	10 / 10
2-3	4.0 (10)	10 / 10		3.6 (10)	90	10 / 10	2.7 (10)	67	10 / 10	1.9 (10)	47	10 / 10	1.2 (10)	30	10 / 10	0.3 (8)	8	8 / 10
2-7	4.5 (9)	9 / 10		3.6 (10)	80	10 / 10	2.7 (10)	60	10 / 10	1.8 (10)	40	10 / 10	1.2 (9)	27	9 / 10	0.8 (3)	18	3 / 10
< > : No.of effective animals, () : No.of measured animals Av.Wc.:g																		

TABLE 4 WATER CONSUMPTION CHANGES OF FEMALE MICE
IN THE 2-WEEK DRINKING WATER STUDY OF 2-HYDROXYETHYL ACRYLATE

Week on Study	Control			512ppm			1280ppm			3200ppm			8000ppm			20000ppm		
	Av. Wc. <10>	No. of Surviv.		Av. Wc. <10>	% of cont.	No. of Surviv.	Av. Wc. <10>	% of cont.	No. of Surviv.	Av. Wc. <10>	% of cont.	No. of Surviv.	Av. Wc. <10>	% of cont.	No. of Surviv.	Av. Wc. <10>	% of cont.	No. of Surviv.
1-3	3.7 (10)	10 / 10		3.6 (10)	97	10 / 10	3.1 (10)	84	10 / 10	2.4 (10)	65	10 / 10	0.8 (10)	22	10 / 10	0.3 (10)	8	10 / 10
1-7	4.5 (10)	10 / 10		3.2 (10)	71	10 / 10	3.0 (10)	67	10 / 10	2.4 (10)	53	10 / 10	1.1 (10)	24	10 / 10	0.3 (9)	7	9 / 10
2-3	4.1 (10)	10 / 10		3.1 (10)	76	10 / 10	2.7 (10)	66	10 / 10	2.1 (10)	51	10 / 10	1.1 (10)	27	10 / 10	— ()	—	0 / 10
2-7	4.2 (10)	10 / 10		3.3 (10)	79	10 / 10	2.8 (10)	67	10 / 10	2.6 (10)	62	10 / 10	1.6 (10)	38	10 / 10	— ()	—	0 / 10
< > : No.of effective animals, () : No.of measured animals Av.Wc.:g																		

TABLE 5 FOOD CONSUMPTION CHANGES OF MALE MICE
IN THE 2-WEEK DRINKING WATER STUDY OF 2-HYDROXYETHYL ACRYLATE

Week on Study	Control		512ppm			1280ppm			3200ppm			8000ppm			20000ppm		
	Av. Fc. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>
1-3	3.6 (10)	10 / 10	3.5 (10)	97	10 / 10	3.7 (10)	103	10 / 10	3.2 (10)	89	10 / 10	2.1 (10)	58	10 / 10	1.9 (10)	53	10 / 10
1-7	3.8 (10)	10 / 10	3.8 (10)	100	10 / 10	3.6 (10)	95	10 / 10	3.6 (10)	95	10 / 10	3.5 (10)	92	10 / 10	1.6 (10)	42	10 / 10
2-3	3.5 (10)	10 / 10	4.1 (10)	117	10 / 10	3.8 (10)	109	10 / 10	3.8 (10)	109	10 / 10	3.3 (10)	94	10 / 10	2.0 (8)	57	8 / 10
2-7	3.8 (9)	9 / 10	3.9 (10)	103	10 / 10	3.7 (10)	97	10 / 10	3.4 (10)	89	10 / 10	3.2 (9)	84	9 / 10	1.9 (3)	50	3 / 10
< > : No.of effective animals, () : No.of measured animals Av.Fc.:g																	

TABLE 6 FOOD CONSUMPTION CHANGES OF FEMALE MICE
IN THE 2-WEEK DRINKING WATER STUDY OF 2-HYDROXYETHYL ACRYLATE

Week on Study	Control		512ppm			1280ppm			3200ppm			8000ppm			20000ppm		
	Av. Fc. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>
1-3	2.7 (10)	10 / 10	3.1 (10)	115	10 / 10	2.8 (10)	104	10 / 10	2.6 (10)	96	10 / 10	1.6 (10)	59	10 / 10	1.3 (10)	48	10 / 10
1-7	3.6 (10)	10 / 10	3.6 (10)	100	10 / 10	3.7 (10)	103	10 / 10	3.3 (10)	92	10 / 10	2.4 (10)	67	10 / 10	1.6 (9)	44	9 / 10
2-3	3.3 (10)	10 / 10	3.2 (10)	97	10 / 10	3.1 (10)	94	10 / 10	3.0 (10)	91	10 / 10	2.8 (10)	85	10 / 10	— ()	—	0 / 10
2-7	3.3 (10)	10 / 10	3.4 (10)	103	10 / 10	3.3 (10)	100	10 / 10	3.3 (10)	100	10 / 10	2.9 (10)	88	10 / 10	— ()	—	0 / 10
< > : No.of effective animals, () : No.of measured animals Av.Fc.:g																	