

アセト酢酸メ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： 0420

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

Week-Day on Study	Control		2500ppm			5000ppm			10000ppm			20000ppm			40000ppm		
	Av. Wt. <5>	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.
0-0	23.1 (5)	5 / 5	23.0 (5)	100	5 / 5	23.0 (5)	100	5 / 5	23.1 (5)	100	5 / 5	23.0 (5)	100	5 / 5	23.0 (5)	100	5 / 5
1-4	22.9 (5)	5 / 5	22.4 (5)	98	5 / 5	22.7 (5)	99	5 / 5	22.9 (5)	100	5 / 5	23.0 (5)	100	5 / 5	23.0 (5)	100	5 / 5
1-7	23.7 (5)	5 / 5	22.8 (5)	96	5 / 5	23.5 (5)	99	5 / 5	23.3 (5)	98	5 / 5	23.4 (5)	99	5 / 5	23.5 (5)	99	5 / 5
2-4	23.9 (5)	5 / 5	23.0 (5)	96	5 / 5	23.8 (5)	100	5 / 5	23.6 (5)	99	5 / 5	23.9 (5)	100	5 / 5	23.7 (5)	99	5 / 5
2-7	25.3 (5)	5 / 5	24.7 (5)	98	5 / 5	25.3 (5)	100	5 / 5	25.3 (5)	100	5 / 5	25.2 (5)	100	5 / 5	24.8 (5)	98	5 / 5

< > : 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 METHYL ACETOACETATE

Week-Day on Study	Control		2500ppm			5000ppm			10000ppm			20000ppm			40000ppm		
	Av. Wt. <5>	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.
0-0	18.4 (5)	5 / 5	18.4 (5)	100	5 / 5	18.4 (5)	100	5 / 5	18.4 (5)	100	5 / 5	18.4 (5)	100	5 / 5	18.3 (5)	99	5 / 5
1-4	18.1 (5)	5 / 5	18.6 (5)	103	5 / 5	18.6 (5)	103	5 / 5	18.8 (5)	104	5 / 5	18.2 (5)	101	5 / 5	17.5 (5)	97	5 / 5
1-7	18.6 (5)	5 / 5	18.3 (5)	98	5 / 5	18.8 (5)	101	5 / 5	18.9 (5)	102	5 / 5	18.9 (5)	102	5 / 5	17.7 (5)	95	5 / 5
2-4	18.8 (5)	5 / 5	18.7 (5)	99	5 / 5	18.8 (5)	100	5 / 5	19.1 (5)	102	5 / 5	19.0 (5)	101	5 / 5	18.1 (5)	96	5 / 5
2-7	20.1 (5)	5 / 5	19.4 (5)	97	5 / 5	19.8 (5)	99	5 / 5	20.4 (5)	101	5 / 5	20.1 (5)	100	5 / 5	19.8 (5)	99	5 / 5

< > : 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 METHYL ACETOACETATE

Week-Day on Study	Control			2500ppm			5000ppm			10000ppm			20000ppm			40000ppm		
	Av. Wc. <5>	No. of Surviv. 5 / 5		Av. Wc. <5>	% of cont. 117	No. of Surviv. 5 / 5	Av. Wc. <5>	% of cont. 100	No. of Surviv. 5 / 5	Av. Wc. <5>	% of cont. 98	No. of Surviv. 5 / 5	Av. Wc. <5>	% of cont. 102	No. of Surviv. 5 / 5	Av. Wc. <5>	% of cont. 85	No. of Surviv. 5 / 5
1-4	4.6 (5)	5 / 5		5.4 (5)	117	5 / 5	4.6 (5)	100	5 / 5	4.5 (5)	98	5 / 5	4.7 (5)	102	5 / 5	3.9 (5)	85	5 / 5
1-7	4.9 (5)	5 / 5		4.7 (4)	96	5 / 5	4.7 (5)	96	5 / 5	4.2 (4)	86	5 / 5	4.5 (5)	92	5 / 5	4.2 (5)	86	5 / 5
2-4	4.4 (5)	5 / 5		5.1 (5)	116	5 / 5	4.9 (5)	111	5 / 5	4.6 (5)	105	5 / 5	4.4 (5)	100	5 / 5	4.1 (5)	93	5 / 5
2-7	4.5 (5)	5 / 5		5.0 (5)	111	5 / 5	5.1 (5)	113	5 / 5	4.6 (5)	102	5 / 5	4.3 (5)	96	5 / 5	3.8 (5)	84	5 / 5

< > : 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 METHYL ACETOACETATE

Week-Day on Study	Control			2500ppm			5000ppm			10000ppm			20000ppm			40000ppm		
	Av. Wc. <5>	No. of Surviv. 5 / 5		Av. Wc. <5>	% of cont. 100	No. of Surviv. 5 / 5	Av. Wc. <5>	% of cont. 102	No. of Surviv. 5 / 5	Av. Wc. <5>	% of cont. 107	No. of Surviv. 5 / 5	Av. Wc. <5>	% of cont. 95	No. of Surviv. 5 / 5	Av. Wc. <5>	% of cont. 80	No. of Surviv. 5 / 5
1-4	4.1 (5)	5 / 5		4.1 (5)	100	5 / 5	4.2 (5)	102	5 / 5	4.4 (5)	107	5 / 5	3.9 (5)	95	5 / 5	3.3 (5)	80	5 / 5
1-7	4.5 (5)	5 / 5		3.8 (5)	84	5 / 5	4.9 (5)	109	5 / 5	4.6 (5)	102	5 / 5	4.3 (5)	96	5 / 5	3.5 (5)	78	5 / 5
2-4	4.2 (5)	5 / 5		4.4 (5)	105	5 / 5	4.9 (5)	117	5 / 5	4.4 (5)	105	5 / 5	3.8 (5)	90	5 / 5	3.5 (5)	83	5 / 5
2-7	4.5 (5)	5 / 5		4.2 (4)	93	5 / 5	5.0 (4)	111	5 / 5	4.5 (5)	100	5 / 5	4.1 (5)	91	5 / 5	3.7 (5)	82	5 / 5

< > : 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 METHYL ACETOACETATE

Week-Day on Study	Control		2500ppm			5000ppm			10000ppm			20000ppm			40000ppm		
	Av. Fc. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5
1-4	3.3 (5)	5 / 5	3.2 (5)	97	5 / 5	3.4 (5)	103	5 / 5	3.5 (5)	106	5 / 5	3.3 (5)	100	5 / 5	3.2 (5)	97	5 / 5
1-7	4.0 (5)	5 / 5	4.0 (5)	100	5 / 5	3.9 (5)	97	5 / 5	4.0 (5)	100	5 / 5	3.8 (5)	95	5 / 5	3.8 (5)	95	5 / 5
2-4	3.3 (5)	5 / 5	3.3 (5)	100	5 / 5	3.4 (5)	103	5 / 5	3.2 (5)	97	5 / 5	3.3 (5)	100	5 / 5	3.2 (5)	97	5 / 5
2-7	3.5 (5)	5 / 5	3.8 (5)	109	5 / 5	3.8 (5)	109	5 / 5	3.8 (5)	109	5 / 5	3.7 (5)	106	5 / 5	3.5 (5)	100	5 / 5

< > : 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 METHYL ACETOACETATE

Week-Day on Study	Control		2500ppm			5000ppm			10000ppm			20000ppm			40000ppm		
	Av. Fc. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5
1-4	2.8 (5)	5 / 5	2.9 (5)	104	5 / 5	2.8 (5)	100	5 / 5	3.1 (5)	111	5 / 5	2.7 (5)	96	5 / 5	2.7 (5)	96	5 / 5
1-7	3.5 (5)	5 / 5	3.1 (5)	89	5 / 5	3.3 (5)	94	5 / 5	3.4 (5)	97	5 / 5	3.2 (5)	91	5 / 5	2.9 (5)	83	5 / 5
2-4	3.0 (5)	5 / 5	3.0 (5)	100	5 / 5	2.9 (5)	97	5 / 5	2.9 (5)	97	5 / 5	2.7 (5)	90	5 / 5	2.7 (5)	90	5 / 5
2-7	3.7 (5)	5 / 5	3.2 (5)	86	5 / 5	3.4 (5)	92	5 / 5	3.4 (5)	92	5 / 5	3.2 (5)	86	5 / 5	3.2 (5)	86	5 / 5

< > : No.of effective animals, () : No.of measured animals Av.Fc.:g