

アカネ色素等遺伝毒性試験成績一覧(修正版)

Chemical	試験系	材料	試験用量	-S9 mix	+S9 mix		文献
アカネ色素	rec-assay	<i>B. subtilis</i> H17/M45	(ストローク法) ~30 μ L	-	-		文献4
		<i>B. subtilis</i> H17/M45	(液体法) 100 μ L	+W	-		文献4
	Ames test	TA98 TA100 TA1537	1-100 μ L/plate	+	+		文献3
		TA98 TA100 TA1537	1-100 μ L/plate			+	文献4
		TA98 TA100 TA1537 TA1538 WP _{uvrA} ⁻ TA1535	5-10,000 μ L/plate (-S9mix) 5-100,000 μ L/plate (+S9mix)	+	+		文献20 (追-9)
				-	-		
Madder powder extracted with ethyl acetate	Ames test	TA100			+		文献19 (追-8)
Rubia extract	Wing spot test	<i>Drosophila melanogaster</i>	0.5, 1% in diet			-	文献15 (追-4)
Rubia Teep	DNA付加体	Liver from Male Parkes mice, 4-6 wk mixed with cheese	1/2 tablet/day, 4d			+	文献7
Glycoside mixture	DNA付加体	Liver from Male Parkes mice, 4-6 wk mixed with cheese	20 mg/day, 4d			+	文献7
		Kidney from Male Parkes mice, 4-6 wk mixed with cheese	20 mg/day, 4d			+	文献7
		Duodenum from Male Parkes mice, 4-6 wk mixed with cheese	20 mg/day, 4d			+	文献7
		Colon from Male Parkes mice, 4-6 wk mixed with cheese	20 mg/day, 4d			+	文献7
Madder root	DNA付加体	Liver, kidney/ACI/S egHsd rat, 5F/5M	Diet containing 1 or 10 % madder, 2 years			+	文献9
アカネ色素	小核試験	ddY雄 6匹/群	~5mL/kg bw 1回 腹腔内 ~2.5mL/kg bw 4回(24h間隔)			-	文献6
						-	

Chemical	試験系	材料	試験用量	-S9 mix	+S9 mix		文献
Lucidin-3-O-primeveroside	Ames test	TA100 TA98	with enzymic extracts of rat cecal bacteria	+	+		文献16 (追-6)
	In vitro UDS	primary rat hepatocytes	5-100 µg/mL	+			文献17 (追-5)
Lucidin	Ames test	TA98 TA100	(30)	+++	+		文献5
		TA98 TA100 TA102 TA104 TA1537 TA1538 TA1535	0.1-30 µg/plate	+	+		文献12
		TA100 TA1537 TA1538 TA98		+	+		文献16 (追-6)
		TA1537 TA102	0.1-10 µg/plate	+	+		文献18 (追-7)
		TA100 TA98		+	+		文献19 (追-8)
	Alkaline elution	Chinese hamster V79		+			文献12
	UDS	Primary rat hepatocytes	1.6-50 µg/ml	+			文献12
	HGPRT gene mutation	Chinese hamster V79	5-40 µg/mL	+			文献12
	Cell transformation	C3H/M2	1-20 µg/mL	+			文献12
	Wing spot test	<i>Drosophila melanogaster</i>	0.5, 1% in diet			-	文献15 (追-4)
	DNA付加体	mouse DNA			+		文献7
		Liver from Male Parkes mice, 4-6 wk mixed with cheese	2 mg/d, 4 d			+	文献7
		Kidney from Male Parkes mice, 4-6 wk mixed with cheese	2 mg/d, 4 d			+	文献7
		Duodenum from Male Parkes mice, 4-6 wk mixed with cheese	2 mg/d, 4 d			+	文献7
		Colon from Male Parkes mice, 4-6 wk mixed with cheese	2 mg/d, 4 d			+	文献7

Chemical	試験系	材料	試験用量	-S9 mix	+S9 mix		文献
Lucidin ethylether	Ames test	TA97	3-30 µg/plate	-	+		文献12
		TA98		+	+		
		TA100		+	+		
		TA1537		+	+		
		TA100 TA1535 TA1538 TA98		+	+		文献16 (追-6)
	UDS	Primary rat hepatocytes	1.6-50 µg/ml	-	phenobar- bital- treated hepatocy- tes		文献12
	HGPRT gene mutation	Chinese hamster V79	2.5-40 µg/mL	-	cocultiva- te with PRH		文献12
Alizarin	DNA付加体	mouse DNA			-		文献7
	Ames test	TA98	(300)	-	-		文献5
		TA100		-	-		
		TA1537	0.1-10 µg/plate	-	+		
		TA102		-	-		
	In vitro UDS	primary rat hepatocytes	12.5-100 µg/mL	+			文献18 (追-7)
	Cell transformation	C3H/M2 mouse fibroblasts	1-100 µg/mL	-			文献18 (追-7)
	Wing spot test	<i>Drosophila melanogaster</i>	0.5, 1% in diet			-	文献15
	DNA付加体	Liver from Male Parkes mice, 4-6 wk mixed with cheese	10 mg/d, 4 d			-	文献7
		Kidney from Male Parkes mice, 4-6 wk mixed with cheese	10 mg/d, 4 d			-	
		Duodenum from Male Parkes mice, 4-6 wk mixed with cheese	10 mg/d, 4 d			-	
		Colon from Male Parkes mice, 4-6 wk mixed with cheese	10 mg/d, 4 d			-	
Alizarin-beta-D- glucoside	Ames test	TA1537	with enzymic extracts of rat cecal bacteria	+			文献16 (追-6)

Chemical	試験系	材料	試験用量	-S9 mix	+S9 mix		文献
Alizarin-2-O-primeveroside (Ruberithric acid)	In vitro UDS	primary rat hepatocytes	5-100 µg/mL	+			文献17 (追-5)
	Ames test	TA98 TA100	(300)	- -	- -		文献5
Rubiadin	In vitro UDS	primary rat hepatocytes	5-100 µg/mL	+			文献17 (追-5)
	Ames test	TA1537	0.1-100 µg/plate	-	+		文献17 (追-5)
		TA100 TA98		- -	+		
Mollugin	Wing spot test	<i>Drosophila melanogaster</i>	0.5, 1% in diet			+	文献15 (追-4)

* 追: 資料4 追加関連論文