

Japanese standard allergens 1994 (JSA1994)

* 試薬はすべて日本接触皮膚炎学会で作成、配布
 * Geraniolは、パッチテスト研究班で天然(N)と合成(S)を検討した結果¹⁾、合成(S)を使用することにしたことからGeraniol(S)と表記されている
 * Gold sodium thiosulfateは、JSA1994に入っていないアレルゲンであるが、1995年に日本接触皮膚炎研究班で陽性率を検討²⁾し、1998年以降もJSAとともに貼付するととして陽性率が集計された。

1) パッチテスト研究班: 皮膚26(4),812-816,1984

2) Miyoshi H: Environ Dermatol 4,95-103,1997

Test materials		Concentration/vehicle
1	Cobalt chloride	1% pet.
2	Nickel sulfate	2.5% pet.
3	Potassium dichromate	0.5% pet.
4	Thiuram mix	1.25% pet.
		Tetramethylthiuram disulfide(TMTD) 0.25%
		Tetraethylthiuram disulfide(TETD) 0.25%
		Tetramethylthiuram monosulfide(TMTM) 0.25%
		Dipentamethylenethiuram tetrasulfide(DPTT) 0.25%
5	PPD black rubber mix	0.6% pet.
		<i>N</i> -1,3-dimethylbutyl- <i>N'</i> -phenyl- <i>p</i> -phenylenediamine(DMBPPT) 0.25%
		<i>N,N'</i> -Diphenyl- <i>p</i> -phenylenediamine(DPPD) 0.25%
		<i>N</i> -Isopropyl- <i>N'</i> -phenyl- <i>p</i> -phenylenediamine(IPPD) 0.10%
6	Mercapto mix	2% pet.
		Cyclohexylbenzothiazyl sulfenamide(CBS) 0.5%
		Dibenzothiazyl disulfide(MBTS) 0.5%
		Mercaptobenzothiazole(MBT) 0.5%
		Morpholinothiobenzothiazole(MMBT) 0.5%
7	Caine mix	7% pet.
		Dibucaine HCl 1%
		Procaine-HCl 1%
8	Fradiomycin sulfate	20% pet.
9	Balsam of Peru	25% pet.
10	Rosin	20% pet.
11	Fragrance mix	8% pet.
		α -Amylcinnamic aldehyde 1%
		Cinnamic aldehyde 1%
		Cinnamic alcohol 1%
		Eugenol 1%
		Geraniol(S) 1%
		Hydroxycitronellal 1%
		Isoeugenol 1%
		Sandalwood oil 1%
12	Dithiocarbamate mix	2% pet.
		Zinc dimethyldithiocarbamate(ZDMC) 0.5%
		Zinc diethyldithiocarbamate(ZDEC) 0.5%
		Zinc dibutyldithiocarbamate(ZDBC) 0.5%
13	Paraben mix	15% pet.
		Benzyl <i>p</i> -hydroxybenzoate(benzylparaben) 3%
		Butyl <i>p</i> -hydroxybenzoate(butylparaben) 3%
		Ethyl <i>p</i> -hydroxybenzoate(ethylparaben) 3%
		Methyl <i>p</i> -hydroxybenzoate(methylparaben) 3%
	Propyl <i>p</i> -hydroxybenzoate(propylparaben) 3%	
14	<i>p</i> -Phenylenediamine	1% pet.
15	Lanolin alcohol	30% pet.
16	<i>p</i> -tert-Buthylphenol formaldehyde resin	1% pet.
17	Bisphenol A	1% pet.
18	Ethylenediamine dihydrochloride	1% pet.
19	Primin	0.01% pet.
20	Urushiol	0.002% pet.
21	Thimerosal	0.1% pet.
22	Ammoniated mercuric chloride	1% pet.
23	Formaldehyde	1% aq.
24	Kathon CG	100ppm aq.
Control		
25	Petrolatum (Sun White)	as is
26	Distilled Water	as is

Japanese standard allergens 1994 調査データ (アレルギー別_陽性率)

Year		1994	1995	1997	1998	1999	2000	2003	2005.4-2008.3
Number of total cases		1592	1665	1309	1573	1555	1602	805	1669/ 3years
Metals	Cobalt chloride	17.3%	18.6%	18.4%	17.2%	14.3%	14.5%	18.9%	11.1%
	Nickel sulfate	13.5%	14.4%	13.8%	16.2%	12.4%	15.5%	17.5%	11.9%
	Potassium dichromate	9.2%	7.7%	9.2%	13.7%	9.7%	10.6%	13.6%	7.3%
	Ammoniated mercuric chloride	7.3%	6.9%	7.0%	7.4%	6.8%	8.0%	6.3%	3.2%
	Gold sodium thiosulfate	nt	10.7%	nt	8.3%	6.9%	7.0%	6.2%	5.9%
Rubber additives	Thiuram mix	2.6%	2.2%	1.6%	2.0%	2.0%	2.3%	4.2%	3.0%
	PPD black rubber mix	1.2%	1.4%	1.2%	1.5%	1.0%	1.1%	2.4%	1.3%
	Mercapto mix	0.6%	0.8%	1.0%	0.7%	0.7%	0.8%	1.2%	0.9%
	Dithiocarbamate mix	0.5%	0.5%	0.9%	0.5%	0.6%	1.3%	1.1%	1.3%
Topical drugs	Caine mix	1.8%	3.0%	2.3%	2.4%	1.4%	2.6%	2.8%	2.5%
	Fradiomycin sulfate	4.0%	3.8%	4.9%	5.9%	6.0%	5.0%	3.9%	7.4%
Cosmetics	Balsam of Peru	5.2%	4.5%	3.4%	4.0%	4.0%	4.0%	4.6%	4.0%
	Fragrance mix	5.8%	4.9%	5.6%	4.8%	5.0%	5.6%	4.0%	6.2%
	<i>p</i> -Phenylenediamine	6.1%	7.1%	6.0%	4.8%	4.5%	5.7%	7.9%	5.7%
	Lanolin alcohol	2.8%	3.3%	1.8%	2.7%	2.7%	3.6%	2.7%	2.9%
	Ethylenediamine dihydrochloride	0.3%	0.3%	0.3%	1.0%	0.3%	0.8%	0.3%	0.5%
Resins	Rosin	2.3%	2.2%	1.7%	2.3%	2.0%	2.2%	3.2%	2.4%
	<i>p</i> -tert- Butylphenol formaldehyde resin	1.7%	1.3%	1.2%	1.5%	1.9%	2.2%	1.9%	1.9%
	Bisphenol A	0.4%	0.4%	0.3%	0.9%	0.5%	0.9%	-	-
Preservatives	Thimerosal	4.7%	5.8%	4.7%	5.6%	4.6%	4.8%	3.9%	3.8%
	Paraben mix	1.8%	1.5%	1.1%	1.3%	1.3%	1.7%	1.9%	1.2%
	Formaldehyde	1.2%	2.6%	2.4%	4.0%	3.6%	1.6%	2.7%	1.5%
	Kathon CG	1.3%	1.5%	0.9%	1.6%	1.1%	0.9%	1.0%	1.1%
Plants	Primin	0.7%	0.6%	0.6%	0.8%	1.0%	1.6%	1.4%	0.7%
	Urushiol	9.3%	10.4%	8.8%	8.5%	9.8%	9.9%	7.2%	7.5%