

Patient's Test Sheet (valid since: March 2006)

Name:

First Name (Given Name):

Date of Birth:

Address:

Phone (Res.): (Bus.):

Ref. Dr.:

Occupation:

Clinical Diagnosis:

Testing Date:

Patch Test used:

Fixing Tape used:

Serial No.	Substance	Concentration	Reaction after				CR
			24h	48h	72h	96h	

Serial No.	Substance	Concentration	Reaction after				CR
			24h	48h	72h	96h	

Standard

S

Serial No.	Substance	Concentration	24h	48h	72h	96h	CR
1	Potassium Dichromate	0.5 %					
2	Neomycin Sulphate	20 %					
3	Thiuram Mix	1 %					
4	Fragrance Mix II	14 %					
5	Cobalt Chloride, 6H ₂ O	1 %					
6	Benzocaine	5 %					
7	Formaldehyde (in water)	1 %					
8	Colophony	20 %					
9	Clioquinol	5 %					
10	Balsam of Peru	25 %					
11	N-Isopropyl-N'-phenyl Paraphenylenediamine	0.1 %					
12	Wool Alcohols	30 %					
13	Mercapto Mix	1 %					
14	Budesonide	0.1 %					
15	Paraben Mix	16 %					
16	Paratertiarybutyl Phenol Formaldehyde Resin	1 %					
17	Fragrance Mix	8 %					
18	Quaternium-15	1 %					
19	Nickel Sulphate, 6H ₂ O	5 %					
20	5-Chloro-2-methyl-4-isothiazolin-3-one + 2-Methyl-4-isothiazolin-3-one (3:1 in water)	0.01 %					
21	Mercaptobenzothiazole	2 %					
22	Sesquiterpene Lactone Mix	0.1 %					
23	Hydroxymethylpentylcyclohexene- carboxaldehyde	5 %					
24	Primin (important in only some countries)	0.01 %					

The single ingredients of the mixes are listed as follows:

Thiuram Mix (E0023) under Rubber Chemicals
 Fragrance Mix II (E2860) under Perfumes, Flavours
 Mercapto Mix (E0025) under Rubber Chemicals
 Paraben Mix (E2496) under Preservatives
 Fragrance Mix (E0029) under Perfume, Flavours

Marking Scheme:

- Negative
- ? Doubtful reaction
- + Weak (non-vesicular) reaction
- ++ Strong (oedematous or vesicular) reaction
- +++ Extreme (bullous or ulcerative) reaction
- IR Irritant
- CR Clinical Relevance

(n = now, o = old, ? = unclear)

HERMAL • D-21462 Reinbek • Germany
 Phone: +49 40-727 04-0
 Telefax: +49 40-727 04-317 e-mail : info@hermal.de

Antioxidants

AO

Serial No.	Substance	Concentration	24h	48h	72h	96h	CR
1	Butyl Hydroxytoluene	2 %					
2	Butyl Hydroxyanisole	2 %					
3	Dodecyl Gallate (Lauryl Gallate)	0.3 %					
4	tert.-Butylhydroquinone	1 %					
5	Propyl Gallate	0.5 %					
6	Octyl Gallate	0.3 %					

Bakery Allergens

BA

Serial No.	Substance	Concentration	24h	48h	72h	96h	CR
1	Vanillin	10 %					
2	Eugenol	1 %					
3	Isoeugenol	1 %					
4	Sodium Benzoate	5 %					
5	Butyl Hydroxytoluene	2 %					
6	Menthol	1 %					
7	Cinnamyl Alcohol	1 %					
8	Cinnamaldehyde	1 %					
9	Butyl Hydroxyanisole	2 %					
10	Sorbic Acid	2 %					
11	Octyl Gallate	0.3 %					
12	Dipentene (dl-Limonene)	2 %					
13	Propyl Gallate	0.5 %					
14	Dodecyl Gallate (Lauryl Gallate)	0.3 %					

Cosmetics

COS

Serial No.	Substance	Concentration	24h	48h	72h	96h	CR
1	Hydroquinone	1 %					
2	Toluenesulphonamide Formaldehyde Resin	10 %					
3	Abitol [®]	10 %					
4	Benzyl Salicylate	1 %					
5	Vanillin	10 %					
6	Lemon Grass Oil	2 %					
7	Balsam of Tolu	20 %					
8	Cocamidopropylbetaine (in water)	1 %					
9	Abietic Acid	10 %					
10	Sodium Benzoate	5 %					
11	Benzyl Alcohol	1 %					
12	Dexpanthenol	5 %					

Serial No.	Substance	Concentration	Reaction after				CR
			24h	48h	72h	96h	

Cutting oils I (current)

CO I

1	7-Ethylbicyclooxazolidine	1 %					
2	1,3,5-Tris(2-hydroxyethyl)-hexahydrotriazine	1 %					
3	Triclosan	2 %					
4	Benzotriazole	1 %					
5	Benzylhemiformal	1 %					
6	Trolamine (Triethanolamine)	2.5 %					
7	Monoethanolamine	2 %					
8	Abietic Acid	10 %					
9	Diethanolamine	2 %					
10	Octylisothiazolinone	0.025%					
11	Methylene-bis(methyloxazolidine)	1 %					
12	Paratertiary Butylphenol	1 %					
13	Di-n-Butylphthalate	5 %					
14	Di-2-Ethylhexyl-Phthalate	5 %					
15	Tricresyl Phosphate	5 %					
16	Polyethylene Glycol Ointment	100 %					
17	Isopropyl Myristate	10 %					
18	Adeps lanae	30 %					
19	Propyleneglycol	5 %					
20	Butyl Hydroxytoluene	2 %					
21	Phenoxyethanol	1 %					
22	tert.-Butylhydroquinone	1 %					
23	Cetyl/Stearyl Alcohol	20 %					
24	Bis(diethylthiocarbamate) Zinc	1 %					
25	1,2-Benzisothiazolin-3-one, Na-Salt	0.1 %					
26	Diglycolamine	1 %					
27	Iodopropynyl Butylcarbamate	0.2 %					

Cutting oils II (historical)

CO II

1	Chloroxyleneol	1 %					
2	Chloracetamide	0.2 %					
3	Dipentene (dl-Limonene)	2 %					
4	2-Hydroxymethyl-2-nitro-1,3-propanediol	1 %					
5	Coconut Diethanolamide	0.5 %					
6	Nitrobutylmorpholine / Ethylnitrotrimethylenedimorpholine	1 %					
7	Dibromodicyanobutane	0.3 %					
8	Hexamethylenetetramine	1 %					
9	Chlorocresol	1 %					
10	Morpholinylmercaptobenzothiazole	0.5 %					
11	Ethylenediamine Dihydrochloride	1 %					
12	Bronopol	0.5 %					

Dental Materials

DM

1	Menthol	1 %					
2	Peppermint Oil	2 %					
3	Benzoyl Peroxide	1 %					
4	Hydroquinone	1 %					
5	Bisphenol A	1 %					
6	Methyl Methacrylate	2 %					
7	N,N-Dimethyl-p-Toluidine	2 %					
8	Ethyleneglycol Dimethacrylate	2 %					
9	Triethyleneglycol Dimethacrylate	2 %					

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Serial No.	Substance	Concentration	Reaction after				CR
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Dental Materials continued

DM

10	BIS-GMA	2 %					
11	Diurethane Dimethacrylate	2 %					
12	(2-Hydroxyethyl) Methacrylate (2-HEMA)	1 %					
13	Eugenol	1 %					
14	Ammoniated Mercury	1 %					
15	Potassium Dicyanoaurate (in water)	0.002 %					
16	Sodium Thiosulfatoaurate	0.25 %					
17	Palladium Chloride	1 %					
18	Ammonium Tetrachloroplatinate	0.25 %					
19	Amalgam	5 %					
20	Amalgam Alloying Metals	20 %					

Disinfectants

DIS

1	Chlorhexidine Digluconate (in water)	0.5 %					
2	Glutar(di)aldehyde	0.3 %					
3	Benzalkonium Chloride	0.1 %					
4	Cetylpyridinium Chloride	0.1 %					
5	Glyoxal Trimer (Dihydrate)	1 %					
6	Cetalkonium Chloride	0.1 %					

Epoxy Resin Systems

ERS

1	Epoxy Resin	1 %					
Reactive diluents							
2	Cresylglycidylether	0.25 %					
3	Phenylglycidylether	0.25 %					
4	Butylglycidylether	0.25 %					
5	1,6-Hexanedioldiglycidylether (techn. grade)	0.25 %					
6	1,4-Butanedioldiglycidylether	0.25 %					
Hardeners							
7	Ethylenediamine Dihydrochloride	1 %					
8	Triethylenetetramine	0.5 %					
9	4,4'-Diaminodiphenyl Methane	0.5 %					
10	Isophoronediamine	0.5 %					
11	Hexamethylenetetramine	1 %					

Hairdressing

HD

1	4-Toluenediamine (dye complex)	1 %					
2	Glyceril Monoethyleneglycolate	1 %					
3	Monoethanolamine	2 %					
4	Ammonium Persulphate	2.5 %					
5	4-Aminophenol	1 %					
6	3-Aminophenol	1 %					
7	Cocamidopropylbetaine (in water)	1 %					
8	Hydroquinone	1 %					
9	Resorcinol	1 %					

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Industrial Biocides

IB

1	7-Ethylbicyclooxazolidine	1 %				
2	Chloroxyleneol	1 %				
3	Chloracetamide	0.2 %				
4	1,3,5-Tris(2-hydroxyethyl)-hexahydrotriazine	1 %				
5	Triclosan	2 %				
6	Benzylhemiformal	1 %				
7	2-Hydroxymethyl-2-nitro-1,3-propanediol	1 %				
8	Nitrobutylmorpholine / Ethylnitrotrimethylenedimorpholine	1 %				
9	Octylisothiazolinone	0.025%				
10	Methylene-bis(methyloxazolidine)	1 %				
11	Dibromodicyanobutane	0.3 %				
12	1,2-Benzisothiazolin-3-one, Na-Salt	0.1 %				
13	Chlorocresol	1 %				
14	Benzotriazole	1 %				
15	Iodopropynyl Butylcarbamate	0.2 %				

Medicaments I - Antibiotics

ME I

1	Bacitracin	20 %				
2	Chloramphenicol	5 %				
3	Gentamycin Sulphate	20 %				
4	Kanamycin Sulphate	10 %				
5	Tetracycline Hydrochloride	2 %				
6	Sulfanilamide	5 %				
7	Erythromycin	1 %				
8	Oxytetracycline	3 %				
9	Framycetin Sulphate	10 %				

Medicaments II - Antiseptics, Antimycotics

ME II

1	Nystatin	2 %				
2	Chlorquinaldol	5 %				
3	Fusidic Acid Sodium Salt	2 %				
4	Clotrimazole	5 %				
5	Dichlorophene	0.5 %				

Medicaments III - Miscellaneous

ME III

1	Benzoyl Peroxide	1 %				
2	Ethylenediamine Dihydrochloride	1 %				
3	Bufexamac	5 %				
4	Propolis	10 %				
5	Resorcinol	1 %				

Medicaments IV - Local Anaesthetics

ME IV

1	Cinchocaine Hydrochloride	5 %				
2	Tetracaine (Amethocaine) Hydrochloride	1 %				
3	Lidocaine Hydrochloride	15 %				
4	Polidocanol	3 %				
5	Procaine Hydrochloride	2 %				

3

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Medicaments V - Corticosteroids

ME V

1	Amcinonide	0.1 %				
2	Betamethasone-17-valerate	0.12 %				
3	Clobetasol-17-propionate	0.25 %				
4	Hydrocortisone	1 %				
5	Hydrocortisone-17-butyrate	0.1 %				
6	Triamcinolone Acetonide	0.1 %				
7	Prednisolone	1 %				

Medicaments VI - Ophthalmics

ME VI

1	Atropine Sulfate (in water)	1 %				
2	Edetic Acid Disodium Salt	1 %				
3	Phenylephrine Hydrochloride (in water)	1 %				
4	Pilocarpine Hydrochloride (in water)	1 %				
5	Polymyxin B Sulfate	3 %				

Metal Compounds

MC

1	Ammoniated Mercury	1 %				
2	Potassium Dicyanoaurate (in water)	0.002%				
3	Sodium Thiosulfatoaurate	0.25 %				
4	Ammonium Tetrachloroplatinate	0.25 %				
5	Palladium Chloride	1 %				
6	Copper Sulphate, 5H ₂ O (in water)	1 %				
7	Tin (II)-chloride	0.5 %				

Methacrylates

MA

1	(2-Hydroxyethyl) Methacrylate (2-HEMA)	1 %				
2	Methyl Methacrylate	2 %				
3	Ethyleneglycol Dimethacrylate	2 %				
4	Triethyleneglycol Dimethacrylate	2 %				
5	BIS-GMA	2 %				
6	Diurethane Dimethacrylate	2 %				
7	Hydroquinone	1 %				
8	N,N-Dimethyl-p-Toluidine	2 %				
9	Benzoyl Peroxide	1 %				

Perfumes, Flavours

PF

1	Benzyl Salicylate	1 %				
2	Benzylcinamate	5 %				
3	Salicylaldehyde	2 %				
4	Vanillin	10 %				
5	Benzyl Alcohol	1 %				
6	Benzaldehyde	5 %				
7	Menthol	1 %				
8	Dipentene (dl-Limonene)	2 %				



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Perfumes, Flavours continued

PF

Essential Oils						
9	Clove Oil	2 %				
10	Orange Oil	2 %				
11	Cedarwood Oil	10 %				
12	Eucalyptus Oil	2 %				
13	Laurel Leaf Oil	2 %				
14	Lemon Grass Oil	2 %				
15	Lemon Oil	2 %				
16	Neroli Oil	2 %				
17	Peppermint Oil	2 %				
Constituents of the Fragrance Mix 8% in pet (E0029)						
18	Cinnamyl Alcohol	1 %				
19	Cinnamaldehyde	1 %				
20	Eugenol	1 %				
21	alpha-Amyl-Cinnamaldehyde	1 %				
22	Hydroxycitronellal	1 %				
23	Geraniol	1 %				
24	Isoeugenol	1 %				
25	Oak Moss Absolute	1 %				
26	Sorbitan Sesquioxide	20 %				
Constituents of the Fragrance Mix II 14% in pet (E2860)*						
27	Citral	2 %				
28	Citronellol	1 %				
29	Farnesol	5 %				
30	Coumarin	5 %				
31	alpha-Hexyl cinnamaldehyde	10 %				

* Hydroxymethylpentylcyclohexenecarboxaldehyde 5% in pet. (E2824) is tested in the Standard series.

Photoallergens

PA

1	5-Bromo-4'-chlorosalicylanilide	1 %				
2	Hexachlorophene	1 %				
3	Bithionol	1 %				
4	Sulfanilamide	5 %				
5	Promethazine Hydrochloride	0.1 %				
6	Quinidine Sulphate	1 %				
7	Fragrance Mix	8 %				
8	4-Aminobenzoic Acid * (PABA)	10 %				
9	2-Ethylhexyl-4-Dimethylaminobenzoate *	10 %				
10	Benzophenone 4 *	10 %				
11	4-tert-Butyl-4'-Methoxy-Dibenzoylmethane *	10 %				
12	Isoamyl-4-methoxycinnamate *	10 %				
13	2-Ethylhexyl-4-Methoxycinnamate *	10 %				
14	3-(4-Methylbenzylidene)-Camphor *	10 %				
15	2-Phenyl-5-benzimidazole-Sulphonic Acid *	10 %				
16	Oxybenzone *	10 %				
Annexe						
17	Thiourea	0.1 %				

* Sunscreen Agents

Photographic Chemicals

PC

1	Ammonium Persulphate	2.5 %				
2	4-Methylaminophenol Sulphate (Metol)	1 %				
3	Color Developer CD 2	1 %				
4	Color Developer CD 3	1 %				

4

Serial No.	Substance	Concentration	Reaction after				CR
			24h	48h	72h	96h	

Photographic Chemicals continued

PC

5	Color Developer CD 4	1 %				
6	Pyrogallol	1 %				
7	4-Aminophenol	1 %				
8	Hydroquinone	1 %				
9	Triphenyl Phosphate	5 %				
10	Trolamine (Triethanolamine)	2.5 %				
11	Thiourea	0.1 %				
12	Edetic Acid Disodium Salt	1 %				
13	Diethanolamine	2 %				
14	Sodium Metabisulfite	1 %				
15	Glutar(di)aldehyde	0.3 %				

Plants

PL

1	Dipentene (dl-Limonene)	2 %				
2	Usnic Acid	0.1 %				

Plastic Materials

PM

1	Phenol Formaldehyde Resin, Novolac	5 %				
2	Abitol®	10 %				
3	Turpentine Oil	10 %				
4	Paratertiary Butylphenol	1 %				
5	Di-n-Butylphthalate	5 %				
6	Tricresyl Phosphate	5 %				
7	Triphenyl Phosphate	5 %				
8	Dimethylphthalate	5 %				
9	Di-2-Ethylhexyl-Phthalate	5 %				
10	Bisphenol A	1 %				
11	Abietic Acid	10 %				

Preservatives

PR

1	Chlorocresol	1 %				
2	Chloroxylenol	1 %				
3	Bronopol	0.5 %				
4	Imidazolidinyl Urea	2 %				
5	Phenylmercuric Acetate	0.01 %				
6	Sorbic Acid	2 %				
7	Chloracetamide	0.2 %				
8	Thiomersal	0.1 %				
9	Chlorquinaldol	5 %				
10	Triclosan	2 %				
11	Diazolidinyl Urea	2 %				
12	Dibromodicyanobutane/ Phenoxyethanol (1:4)	1 %				
13	DMDM Hydantoin (in water)	2 %				
14	Phenoxyethanol	1 %				
15	Sodium Metabisulfite	1 %				
16	Dibromodicyanobutane	0.3 %				
17	Iodopropynyl Butylcarbamate	0.2 %				

Constituents of the Paraben Mix

18	Methyl Parahydroxybenzoate	3 %				
19	Ethyl Parahydroxybenzoate	3 %				
20	Propyl Parahydroxybenzoate	3 %				
21	Butyl Parahydroxybenzoate	3 %				

Serial No.	Substance	Concentration	Reaction after				CR
			24h	48h	72h	96h	

5

Serial No.	Substance	Concentration	Reaction after				CR
			24h	48h	72h	96h	

Rubber Chemicals

RC

1	Hexamethylenetetramine	1 %					
2	Diphenylthiourea	1 %					
3	Dibutylthiourea	1 %					
4	1,3-Diphenylguanidine	1 %					
5	Bis(diethyldithiocarbamate) Zinc	1 %					
6	N,N'-Diphenyl Paraphenylenediamine	0.25 %					
7	Bis(dibutyldithiocarbamate) Zinc	1 %					
8	Cyclohexyl Thiophthalimide	0.5 %					
9	4,4'-Dihydroxybiphenyl	0.1 %					
10	Zinc dibenzoyldithiocarbamate	1 %					
Constituents of the Thiuram Mix							
11	Tetramethylthiuram Disulphide	0.25 %					
12	Tetraethylthiuram Disulphide	0.25 %					
13	Tetramethylthiuram Monosulphide	0.25 %					
14	Dipentamethylenethiuram Disulphide	0.25 %					
Constituents of the Mercapto Mix							
15	Dibenzothiazyl Disulphide	1 %					
16	N-Cyclohexylbenzothiazyl Sulphenamide	1 %					
17	Morpholinylmercaptobenzothiazole	0.5 %					

Textile and Leather Dyes

TD

1	Disperse Orange 3	1 %					
2	Disperse Yellow 3	1 %					
3	Disperse Red 1	1 %					
4	Disperse Red 17	1 %					
5	Disperse Blue 3	1 %					
6	Disperse Red 11	1 %					
7	Disperse Yellow 9	1 %					
8	Naphthol AS	1 %					
9	4-Aminophenol	1 %					
10	Acid Yellow 36	1 %					
11	Bismarck Brown R	0.5 %					

Vehicles, Emulsifiers

VE

1	Trolamine (Triethanolamine)	2.5 %					
2	Propyleneglycol	5 %					
3	Sorbitan Sesquioleate	20 %					
4	Cetyl/Stearyl Alcohol	20 %					
5	Amerchol® L 101	50 %					
6	Polyethylene Glycol Ointment	100 %					
7	Isopropyl Myristate	10 %					
8	Adeps lanae	30 %					
9	Coconut Diethanolamide	0.5 %					

Shoe Allergens

SH

1	Glutar(di)aldehyde	0.3 %					
2	Disperse Orange 3	1 %					
3	Acid Yellow 36	1 %					
4	Monobenzene	1 %					
5	Diphenylthiourea	1 %					
6	1,3-Diphenylguanidine	1 %					
7	Dibutylthiourea	1 %					
8	Octylisothiazolinone	0.025%					

Miscellaneous

MIC

1	Hexylresorcinol	0.25 %					
2	Potassium Dichromate	0.25 %					
3	Propyleneglycol (in water)	20 %					
4	White Petrolatum	100 %					
5	Paraphenylenediamine free base	1 %					
6	4-Aminoazobenzene	1 %					

Sunscreen Agents

SA

1	2-Phenyl-5-benzimidazole-Sulphonic Acid	10 %					
2	4-tert-Butyl-4'-Methoxy-Dibenzoylmethane	10 %					
3	4-Aminobenzoic Acid (PABA)	10 %					
4	2-Ethylhexyl-4-Dimethylamino-benzoate	10 %					
5	2-Ethylhexyl-4-Methoxycinnamate	10 %					
6	3-(4-Methylbenzylidene)-Camphor	10 %					
7	Oxybenzone	10 %					
8	Isoamyl-4-methoxycinnamate	10 %					
9	Benzophenone 4	10 %					

Doctor's Assessment

Internet service

Under www.hermal.com you will find information on each TROLAB® allergen.

The data are taken from literature.

Any comments and additional information from you are welcome.

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D-21462 Reinbek

