



Johansson et al.:

# Evaluation of the GARD Assay in a Blind Cosmetics Europe Study

## Supplementary Data

Tab. S1: Benchmark control chemical details

| Chemical ID                               | CAS#       | Class          | Vehicle           | GARD input concentration ( $\mu\text{M}$ ) |
|---|------------|----------------|-------------------|--|
| 2-4-dinitrochlorobenzene                  | 97-00-7    | Sensitizer     | DMSO              | 4  |
| diethyl maleate <sup>a</sup>              | 141-05-9   | Sensitizer     | DMSO              | 200  |
| 2-hydroxyethylacrylate                    | 118-61-1   | Sensitizer     | Water             | 100  |
| Phenyl benzoate <sup>a</sup>              | 93-99-2    | Sensitizer     | DMSO              | 200  |
| Benzalkoniumchloride <sup>a</sup>         | 63449-41-2 | Sensitizer     | DMSO              | 3  |
| p-Phenylendiamine <sup>b</sup>            | 106-50-3   | Sensitizer     | DMSO              | 75   |
| Resorcinol <sup>b</sup>                   | 108-46-3   | Sensitizer     | dH <sub>2</sub> O | 500  |
| 2-Nitro-1,4-phenylenediamine <sup>b</sup> | 5307-14-2  | Sensitizer     | DMSO              | 300  |
| Geraniol <sup>b</sup>                     | 106-24-1   | Sensitizer     | DMSO              | 500  |
| Hexylcinnamic aldehyde <sup>b</sup>       | 101-86-0   | Sensitizer     | DMSO              | 32   |
| Chlorobenzene                             | 108-90-7   | Non-sensitizer | DMSO              | 100  |
| 1-Butanol                                 | 117-81-7   | Non-sensitizer | DMSO              | 500  |
| DMSO                                      | 67-68-5    | Non-sensitizer | –                 | 0.1%                                       |

<sup>a</sup> Used for classification of 1,4-phenylenediamine, dimethyl fumarate, tetrachlorosalicylanilide, 1,2-benzisothiazolin-3-one, 3-dimethylaminopropylamine, thioglycerol, 5-methyl-2,3-hexanedione, benzoyl peroxide, coumarin, farnesol, amyl cinnamic aldehyde, carvone, resorcinol, 4-aminobenzoic acid, benzaldehyde, propyl paraben, vanillin, diethyl phthalate, diethyl toluamide, tween 80 and hydrazine

<sup>b</sup> Used for classification of 2-aminophenol, 2-nitro-1,4-phenylenediamine, formaldehyde, glutaraldehyde, glyoxal, isoeugenol, lylal, methyl heptene carbonate, propyl gallate, toluene diamine sulphate, abietic acid, bisphenol A-diglycidyl ether, butyl glycidyl ether, chlorpromazine, cinnamic alcohol, citral, ethylene diamine, eugenol, glyceryl monothioglycolate, imidazolidinyl urea, penicillin G, amylcinnamyl alcohol, aniline, benzocaine, geraniol, hexyl salicylate, iodopropynyl butylcarbamate, kanamycin, lillial, limonene, linalool, neomycin sulphate, anethole, anisyl alcohol, benzyl benzoate, benzyl salicylate, citronellol, diethanolamine, hexyl cinnamic aldehyde, hydrocortisone, isopropanol, methyl salicylate, pentachlorophenol, phenoxyethanol, propylene glycol, pyridine, triethanolamine, dextran, glycerol, octanoic acid, phenol and tocopherol



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