

Attachment 12b: Predictive capacity as determined in the interlaboratory study

| | | Positive with EC 1.5 up to 1000 uM | | | | | |
|----------------------------------|-------------|------------------------------------|-------------|-------------|-------------|-------------|--------|
| | Study phase | GIVhist | GIV | Lab1 | Lab2 | Lab3 | Lab4 |
| Sensitizers | | | | | | | |
| Hexyl cinnamic aldehyde | MT | 2 of 2 | 1 of 3 | 0 of 3 | 1 of 3 | 3 of 3 | 3 of 3 |
| Citral | MT | 2 of 2 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| Ethylene glycol dimethacrylate | MT | 2 of 2 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| 2,4-Dinitrochlorobenzene | MT | 2 of 2 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| 4-Methylaminophenol sulphate (M) | BC | 2 of 2 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| (5-chloro)-Methylisothiazolinone | BC | 2 of 2 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| Phenyl benzoate | BC | 1 of 4 | 0 of 3 | 0 of 3 | 0 of 3 | 0 of 3 | 1 of 3 |
| Imidazolidinyl urea | BC | 3 of 4 | 2 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| Oxazolone | BC | 4 of 4 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| 4-Phenylenediamine | BC | 2 of 2 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| Cinnamic aldehyde | BC | 4 of 4 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| Isoeugenol | BC | 4 of 4 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| tetramethylthiuramdisulfide | BC | 2 of 2 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| 2-Mercaptobenzothiazole | BC | 4 of 4 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| Eugenol | BC | 0 of 4 | 1 of 3 | 1 of 3 | 3 of 3 | 3 of 3 | 1 of 3 |
| Cinnamyl alcohol | BC | 4 of 4 | 3 of 3 | 2 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| Glyoxal | BC | 4 of 4 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| 4-nitrobenzylbromide | BC | 2 of 2 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| Methyldibromo glutaronitrile | BC | 2 of 2 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 | 3 of 3 |
| Non-sensitizers | | | | | | | |
| Isopropanol | BC | 0 of 2 | 0 of 3 | 0 of 3 | 0 of 3 | 0 of 3 | 0 of 3 |
| Methyl salicylate | MT | 0 of 2 | 0 of 3 | 1 of 3 | 0 of 3 | 1 of 3 | 1 of 3 |
| Chlorobenzene | MT | 0 of 2 | 0 of 3 | 0 of 3 | 0 of 3 | 0 of 3 | 1 of 3 |
| Sulfanilamide | MT | 0 of 2 | 0 of 3 | 0 of 3 | 0 of 3 | 1 of 3 | 0 of 3 |
| Salicylic acid | BC | 0 of 2 | 0 of 3 | 0 of 3 | 0 of 3 | 0 of 3 | 0 of 3 |
| Sodium lauryl sulfate | BC | 0 of 2 | 3 at cytoto | 1 at cytoto | 1 at cytoto | 1 at cytoto | 3 of 3 |
| Lactic acid | BC | 1 of 4 | 0 of 3 | 0 of 3 | 0 of 3 | 0 of 3 | 0 of 3 |
| Glycerol | BC | 0 of 4 | 0 of 3 | 0 of 3 | 0 of 3 | 0 of 3 | 0 of 3 |
| Diethyl phthalate | BC | 0 of 2 | 0 of 3 | 0 of 3 | 1 of 3 | 0 of 3 | 2 of 3 |
| | | | | | | | |
| correct positive | | 17 | 16 | 16 | 17 | 18 | 17 |
| correct negative | | 9 | 9 | 9 | 9 | 9 | 7 |
| false positive | | 0 | 0 | 0 | 0 | 0 | 2 |
| false negative | | 2 | 3 | 3 | 2 | 1 | 2 |
| n | | 28 | 28 | 28 | 28 | 28 | 28 |
| Sensitivity | | 89.5 | 84.2 | 84.2 | 89.5 | 94.7 | 89.5 |
| Specificity | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 77.8 |
| Accuracy | | 92.9 | 89.3 | 89.3 | 92.9 | 96.4 | 85.7 |

(*) Note: induction at cytotox concentrations for SDS was not considered positive in Cooper stats
 If 2 of 3 reps are positive and overall dose response is given in all reps, compound is considered positive
 If only one rep is positive and dose response is not evident compound is considered negative

MT: Method transfer / phase I data (7 chemicals)

BC: Blind study / phase II data (21 chemicals)