

In vitro Safety Testing-Strategy for Chemicals and Cosmetics / Ingredients with Regard to the relevant Regulations



BSL BIOSERVICE, internationally operating since 1984, offers a comprehensive spectrum of validated alternative testing methods, necessary for the safety evaluation of chemicals, cosmetic products and ingredients.

Our test panel regarding *in vitro* testing referring to the relevant regulations:

Cytotoxicity

Irritation and Corrosivity

- Skin corrosion with skin model EpiDerm™
- Skin corrosion with Corrositex-Assay
- Skin Irritation with skin models EPISKIN™ or EpiDerm™
- Eye irritation with Epiocular™
- BCOP-Test (Eye Irritation)
- HET CAM (Eye Irritation)
- RBC-Test (Eye Irritation)

Photo-induced toxicity

- Phototoxicity assay with EpiDerm™ Skin Model
- *In vitro* Balb/c 3T3 NRU phototoxicity assay
- Selected photogenotoxicity assays (e.g. photo-ames)

Dermal / Percutaneous Absorption

- Skin from user defined species, incl. humans
- Metabolically active skin possible
- 2 different penetration models

Mutagenicity / Clastogenicity / Carcinogenicity

- Ames test
- Mouse lymphoma assay
- HPRT test
- *In vitro* chromosome aberration test
- *In vitro* micronucleus test
- *In vitro* comet assay
- Syrian hamster embryo (SHE) cell transformation assay

Reproductive toxicity

- Embryonic stem cell test (EST)

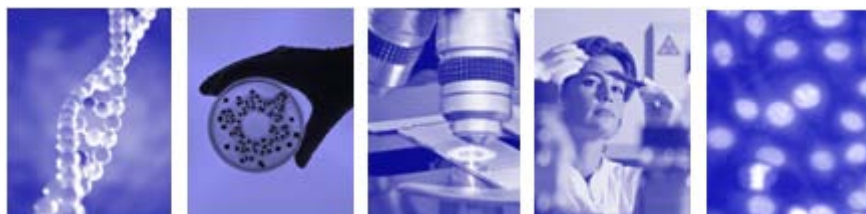
Relevant regulations for Chemicals and Cosmetics:

REACH article 25 (1)

EU cosmetics legislation directive 76/768EEC and amendments, directive 2003/15/EG regulation (EC) No 1223/2009

We will provide you with the most reliable and timely results possible!

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