SCOOP
THE LATEST TRENDS, SERVICES & PROMOTIONS

COSMETICS, PERSONAL CARE AND HOUSEHOLD, SGS HONG KONG AUG 2017

TOXICOLOGY & EFFICACY OF COSMETICS: (1) IN-VITRO TESTING

ALTERNATIVES TO ANIMAL TESTING

In European Union, animal testing is prohibited for new cosmetic products being placed on the market since 2013. Countries such as Norway, Israel, India, United States, Australia and New Zealand are moving to the same direction. With technology improvement, in-vitro test evolves and starts becoming an alternative and replacing animal testing.

In vitro testing is a scientific way of analysis to diagnose the potential hazard under a controlled environment. In cosmetic industry, this technique helps evaluate the potential of a finished cosmetic product on causing irritation and/or corrosion when the product contacts with consumers.

SKIN IRRITATION

- Reconstructed human epidermis (RhE) test method (OECD 439)

Skin irritation test assesses the potential for chemically induced skin damage that is reversible or irreversible.

SKIN CORROSION

- Epidermal Skin Test (OECD 431)

Skin corrosion tests assess the potential of a substance/mixture to cause irreversible damage to the skin.

EYE IRRITATION/ CORROSION

- Bovine corneal opacity and permeability (BCOP) test
- Hen's Egg Test (HET-CAM)

Eye irritation/ corrosion tests assess the potential for chemically induced damage to the eye that is reversible or irreversible.

FOR ENQUIRIES:

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