

DERMSCAN NEWS

OUR IN VITRO TRIALS



PRE-CLINICAL STUDIES OF PRODUCTS' SAFETY

Palmer Research, the *in vitro* laboratory of DermScan Group, assesses the safety of your cosmetics, pharmaceutical products and biocides.

Our centre GLP (Good Laboratory Practice) approved, proposes different methods of pre-clinical trials :

- **Eye irritation potential** (method described in decree of 12/27/1999) by:
 - Cytotoxicity after agar gel diffusion
 - Neutral red release
- **Skin irritation** on reconstructed human epidermis (RHE), on cells monolayer or on different mucus membranes, following MTT test validated by the ECVAM
- **Microbiological analysis:** challenges tests (ISO 11930), bacterial identification and evaluation of the microbiological risk (ISO 29621: 2010)
- **Phototoxicity**
- **Percutaneous absorption**



IN VITRO SOLAR TESTS

UVA solar tests according to European, Mercosur and ASEAN, USA and Australia regulations:

- Evaluation of the critical wavelength with pre-irradiation (COLIPA 2011)
- Broad spectrum evaluation (FCA-CW)
- UVA protection factor (UVA ISO 24443: 2011)



UVB solar tests:

- UVB protection factor (indicative value of the *in vivo* SPF)

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