Photoxicity
In vitro long UVA test

Model: EpiSkin™ Large Model

DESCRIPTION

Culture inserts equilibration period: Incubate ON (37°C)

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Transfer tissues to PBS

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Treatment: on 2 tissue replicates per condition (for one condition exposed to UV, get one without UV):
- Solubilized compounds: 100 µL
- Positive control: chlorpromazine

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Treatment Period: Incubate for 2 h

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UVA exposure: 50 J/cm² (remove excess of product before exposure)

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Incubate for 2h (latent period)

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Transfer UV-exposed and non-exposed tissues in fresh medium and incubate for 22h at 37°C (post-treatment)

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Incubate tissues in MTT solution for 3 h (37°C) and freeze conditioned media for further IL-1α measurement

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Extraction in acidic isopropanol

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Read OD with microplate spectrophotometer

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Measure IL-1α release in conditioned media by ELISA

EPISKIN