

# Phototoxicity

## *In vitro* long UVA test

Model: SkinEthic™ RHE

### DESCRIPTION

Culture inserts equilibration period: Incubate at least 2 h up to 24h (37°C)



Transfer tissues to fresh medium



Treatment: on 2 tissue replicates per condition (for one condition exposed to UV, get one without UV):

- Compounds solubilized in water: 50  $\mu$ L
- Compounds solubilized in oil: 20  $\mu$ L + pad
- Positive control: chlorpromazine



Treatment Period: Incubate for 18 h



UVA exposure: 6 J/cm<sup>2</sup> (remove pad if any previously to exposure)



Rinse UVA exposed and non-exposed tissues: 4 times with 0.5 mL PBS



Incubate tissues in MTT solution for 3 h (37°C)



Isopropanol extraction



Read OD with microplate spectrophotometer

