

Model

SkinEthic™ HCE



DESCRIPTION



Receipt: Transfer epithelium from agarose to maintenance medium in 6-well plate and incubate at least overnight (37°C)



Transfer tissues to fresh maintenance medium in 24-well plates



Treatment: 2 tissues each with 30 ± 2 µL PBS without Ca²⁺ & Mg²⁺ (Negative Control)

or 10 ± 2 µL PBS- & 30 ± 2 µL methyl acetate (Positive Control)

or 10 ± 1 µL PBS- & 30 ± 2 µL test chemical (test treatment)



Treatment Period: Incubate for 30min ± 2min (37°C)



Rinse with PBS- (20 mL: 10 mL/jet)



Post-Soak Immersion: Immerse tissues in 1.5 mL fresh maintenance medium



Post-Soak Period: Incubate for 30 ± 2 min(37°C)



Viability: Transfer tissues into MTT solution



Incubate tissues for 3h ± 15min (37°C)



Extraction: Immerse the inserts in 1.5mL isopropanol (formazan extraction)



Extract formazan (minimum 4h, RT or overnight, 4°C)



Perforate the insert and homogenize formazan extract



Read OD with microplate spectrophotometer at 570 nm

PREDICTION MODEL

Criteria for <i>In vitro</i> interpretation	Classification
Mean tissue viability > 60%	No Category
Mean tissue viability ≤ 60%	No prediction can be made