Models: EpiSkin™ Large Model/SkinEthic™ RHE

DESCRIPTION

Maintain models in culture 18 hrs before use.



Biodisponibity studies: topical application from a few minutes to a few hours

Metabolic studies: culture medium containing the substrates solutions
for the different enzymatic activities applied for appropriate time.



After the contact time, analysis either with:

Confocal Raman analysis: profiles of skin components and concentration of test substances (ie: caffeine, salicylic ac., benzoic ac., MBC, OMC...)
 HPLC UV/MSMS analysis: substrates and reaction products concentrations measured in epidermis/epithelia and media: 4-MUAc, CDNB, PABA, 4-MU, PNP



Markers in 3D models can be visualized by histological analysis (HES) and proteins content determined using BCA Pierce Kit for example.

ENDPOINTS

Metabolic characterization of epidermal 3D models Evaluation of molecules or substances.

