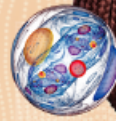


CELL-BASED ASSAY FOR COSMETICS TESTING



SCIENTIFIC BACKGROUND

The epidermis is a continually renewing stratified, squamous epithelium (90-95% *keratinocytes*) which relies on proper cell proliferation and differentiation in order to maintain or to restore epidermal structure and functions.

Fibroblasts also have a key role to play in the upkeep of connective tissue mainly composed of extracellular matrix.

EVALUATION OF EPIDERMAL & DERMAL REGENERATION

Fluofarma can provide high throughput assays of primary human keratinocytes and fibroblasts migration, proliferation or wound healing. Using live content imaging techniques we can perform simultaneous and kinetic measurement in 96 wells at the same time to best detect your ingredient effects.

ASSAY INFORMATION

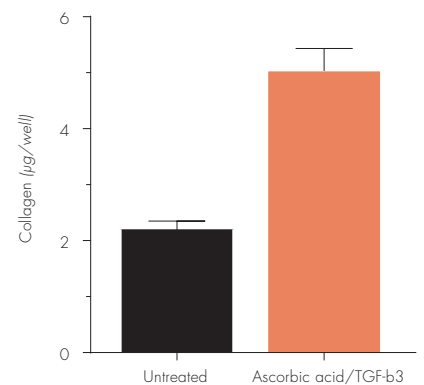
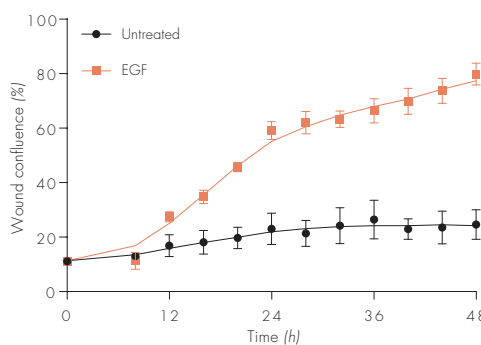
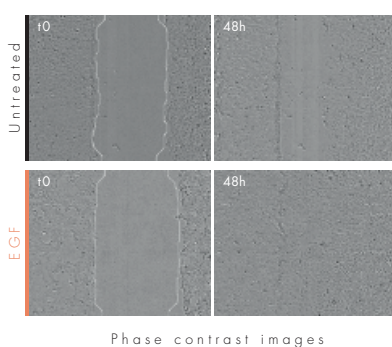
Cytolysis/Proliferation	Human keratinocytes & fibroblasts	96w Live cell imaging
Migration	Human keratinocytes & fibroblasts	96w Live cell imaging
Wound healing	Human keratinocytes & fibroblasts	96w Live cell imaging
Collagen synthesis	Human fibroblasts	Collagen secretion

ASSAY PRINCIPLE: WOUND HEALING

Fluofarma can provide a high throughput assay of cell migration. Using an Incucyte® Wound Maker we can perform identical wounds in all 96 wells at the same time and follow kinetically the evolution of the wound (*migration or proliferation depending on assays conditions*) to best measure the effects of a compound ↓↓

ASSAY PRINCIPLE: COLLAGEN SECRETION

Normal Human Dermal Fibroblasts (*NHDF*) were seeded in 96-well plates. After treatment with reference compound (*ascorbic acid at 300 μM and TGF-beta at 30 ng/mL for 72h*), the total collagen at the level of the cell layer was quantified with Sirius Red staining and absorbance measurement ↘



CONTACT



2, rue Robert Escarpit - 33600 Pessac - France
contact@fluofarma.com | www.fluofarma.com