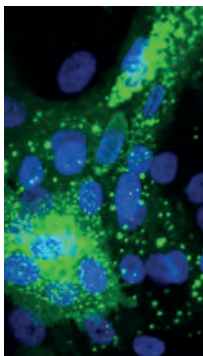


You are looking for validated or innovative efficacy assays to support your cosmetic claims. You wish to characterize your active ingredients or demonstrate the efficacy of your formulations.

Our services will help you to support your projects, meet your objectives and bring value to your cosmetics:

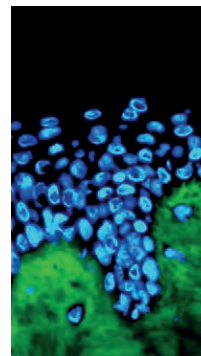
- Screening of bioactive ingredients
- Mechanism of action and proof-of-concept studies
- Repositioning & benchmarking studies
- Evaluation prior to clinical trials

Efficacy and cosmetic claim substantiation *in vitro* and *ex vivo* assays:



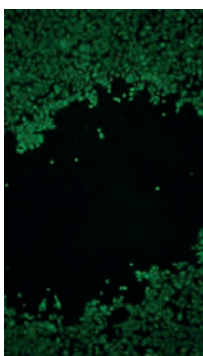
HYDRATION & SKIN BARRIER

- Barrier function
- Epidermal differentiation
- Lipid synthesis
- Epidermal ECM components
- Epidermal cohesion



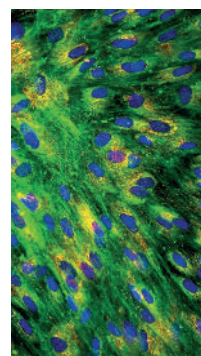
SKIN FIRMNESS & COHESION

- Dermis cohesion and firmness
- Synthesis and expression of ECM components
- Dermo-epidermal junction
- Cell adhesion



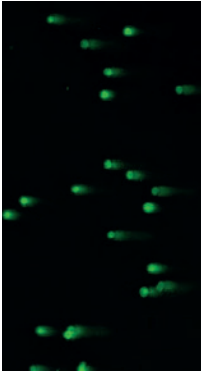
EPIDERMAL REGENERATION

- Viability and metabolism
- Integrity and thickness
- Cell proliferation and migration
- Clonogenicity
- Retinoid-like effects



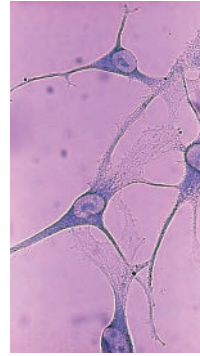
SKIN AGEING

- Intrinsic ageing model
- Accelerated ageing model
- Photo-ageing model



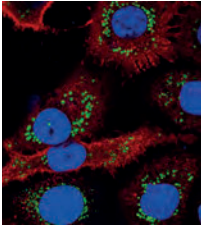
SKIN PROTECTION & DEFENSE

- Infrared, UVB, UVB+(A) radiations
- Free radicals
- Pollution
- Chemical stress
- PAMPs
- Osmotic stress
- Nutrient deficiency



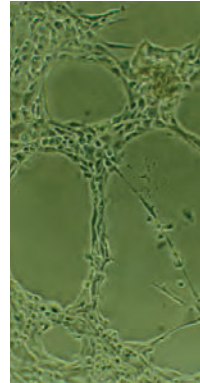
SKIN PIGMENTATION

- Tyrosinase activity
- Melanin synthesis
- Melanocyte dendricity
- Melanosome transfer
- Expression of specific markers



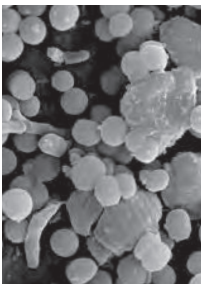
OILY SKIN & HYPERSEBORRHEA

- Sebocyte maturation
- Lipidogenesis
- Androgen metabolism



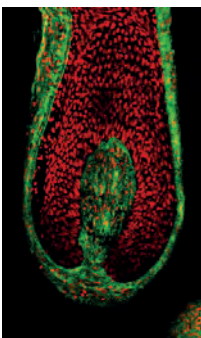
SKIN MICROCIRCULATION & VASCULARIZATION

- Viability, proliferation, migration
- Pseudotube formation
- Protection versus stress
- Veinotonic activity
- Angiogenic factor release



SKIN MICROBIOTA

- Bacterial adhesion
- Bacterial identification & quantification
- Bacterial growth



HAIR GROWTH & LOSS

- Cell viability
- Hair growth
- Hair shaft diameter
- Androgen metabolism
- Hair pigmentation
- Specific marker expression

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OTHER SERVICES:

- Cell and tissue engineering
- Histological and immunohistochemical analysis
- Transcriptome analysis
- Development and validation of *in vitro* cell-based assays

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