

# BIOSENSOR FOR NON-INVASIVE EX VIVO SKIN

Biosensor to ex vivo characterize the viscoelastic properties of skin to determine the topical / skin effects in real time.

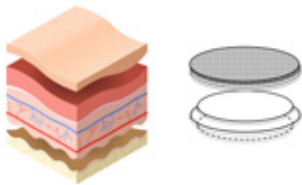
# ERG\NEO

L'AVENIR EST FAIT D'AUDACE

## PRESENTATION

The sensory properties of cosmetic products are crucial in the development of skincare and makeup products. The use of a panel of testers can only be done after a long period of non-toxicity tests and requires significant financial resources which in the end will give a subjective and unscientific opinion.

The project presented allows to follow in real time the effect of care products, make-up on the skin thanks to a sensor.



*Biosensor for skin characterization  
Credit : Erganeo*

Ex vivo – Biosensor– Skin – Viscoelasticity - Cosmetic

## COMPETITIVE ADVANTAGES

- Real-time monitoring of the viscoelastic properties of the skin and determination of the structure
- Evolution of the dermis-epidermis-stratum corneum structure according to the active ingredients applied and the dosage.
- Reducing the variability of measurements by ergodicity
- Analyze the effect of a product regardless of skin type and age and measurement conditions.
- Compare the effect of several products over the life of the implant without using destructive techniques.

## APPLICATIONS

- Cosmetic Industry
- Production of raw materials for cosmetic

## INTELLECTUAL PROPERTY

Patent ref : WO 2016/198483

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## CONTACT

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## DEVELOPMENT PHASE

Validation of the solution on skin explants kept in survival 5 days. Level of TRL 3