

# EXOgen

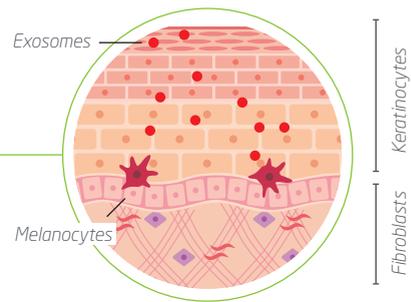
MIMIC *IN VIVO* TOPICAL APPLICATION THROUGH AN INNOVATIVE CELL-BASED *IN VITRO* TEST



The skin is a complex organ composed of a variety of cells - keratinocytes, melanocytes, fibroblasts, immune cells and adipocytes - organized in different layers. These cells communicate to maintain homeostasis or to respond to stress. Cream application on the outer skin layer stimulates keratinocytes that send specific messages mainly via exosomes to target cells in skin inner layer.

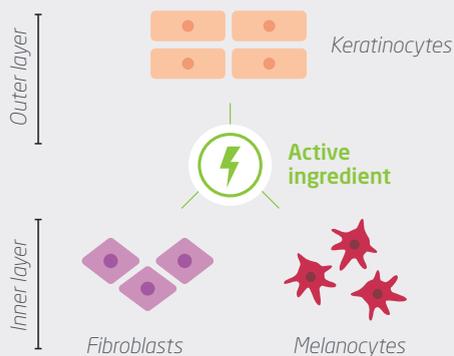
Standard *in vitro* cell-dependant methods do not mimic the actual communication pathway triggered by the active ingredient.

- EXOgen is an innovative cell-based
- *in vitro* test that leverages exosome-
- based cell communication to reveal the
- actual effects of an active ingredient.



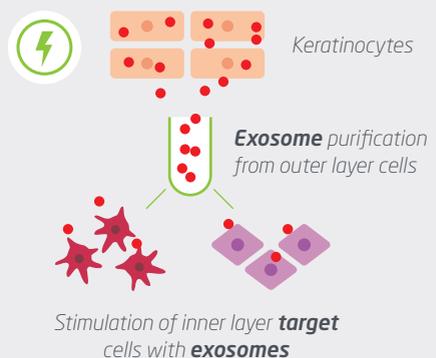
## Standard cell-based *in vitro* Methods

Direct stimulation of **outer and inner layers** of skin cells with active ingredient



## EXOgen Method

Stimulation of **outer layer cells only** with active ingredient



## Your Benefits

**Reliable:** optimized process that guarantees exosome integrity for efficient stimulation of target cells

**Relevant:** use the actual cellular pathway

**Affordable:** cost effective compared to clinical trials

**Tailored:** adaptable to any type of cells and any dermoscosmetic pathway

# EXOgen

**Innovation:** EXOgen is an innovative cell-based *in vitro* test that leverages exosome-based cell communication and mimic topical application.

**Expertise:** Our scientific team masters each step of the process - exosome extraction, purification, cell culture, ... - to successfully reveal the impact of your active ingredient on the skin.

**Support:** Working together as one team, we partner with you to determine the most efficient and appropriate strategy to reveal the power of your cosmetic active ingredients.

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