

KALIBIOME

ECOGENETIC

>> POSTBIOTICS: A NEW CONCEPT FOR MICROBIOTA CARE

EXCLUSIVE POSTBIOTICS FOR SENSITIVE SKIN

Kalibiome postbiotics are specialties aimed to balance skin microbiota and overcome the criticalities of the traditional prebiotic and probiotic based actives.

Compared to prebiotics they show higher specificity of action; when **compared to probiotic derivatives**, they proved maximum stability in presence of cosmetics preservatives and absence of side effects, given the lack of bacterial fragments and living bacteria in their composition.

Kalibiome is a complex of pure peptides, fatty acids and biosurfactants released by commensal bacteria through a patented bio-fermentation (PB TECH®) that enables to obtain reproducible postbiotics able to restore skin microbiota ecogenetic equilibrium, promote skin wellness through a combined soothing, dereddening, replenishing and moisturizing action.

>> POSITIONING

TECHNOLOGY HIGHLIGHTS

- Postbiotics complex with concentrated and reproducible composition
- **Obtained by controlled bio-fermentation, patented technology, no bacterial fragments/toxins presence, absence of side effects and high tolerability**
- **Compatible with cosmetics preservatives**
- Preservative free (powder form)
- Storage at room temperature
- Low concentration of use ($\geq 0.1\%$)

FEATURES AND APPLICATIONS

- Immune system modulation action
- Skin barrier integrity, compactness and hydration increase
- Dereddening and soothing
- Skin microbiota balancing and protection against infections from broad range of microbes & virus
- Dermis replenishing and redensification
- Ideal for sensitive, atopic skin treatments
- Suitable for face, body, intimate area care and mucosa (cosmetics & medical devices)



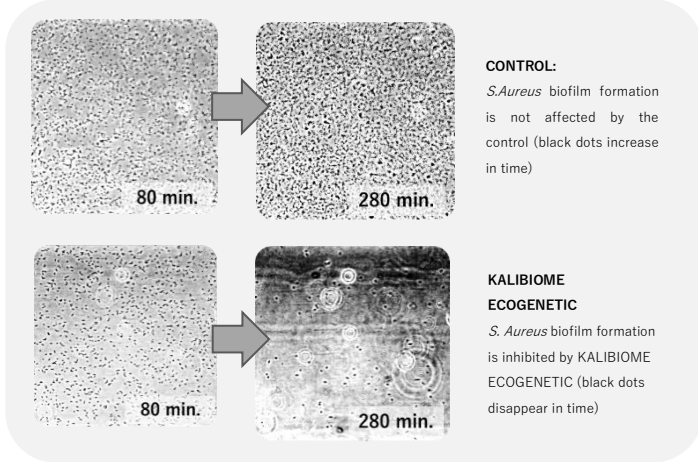
BIOTECHNOLOGY



MADE IN ITALY

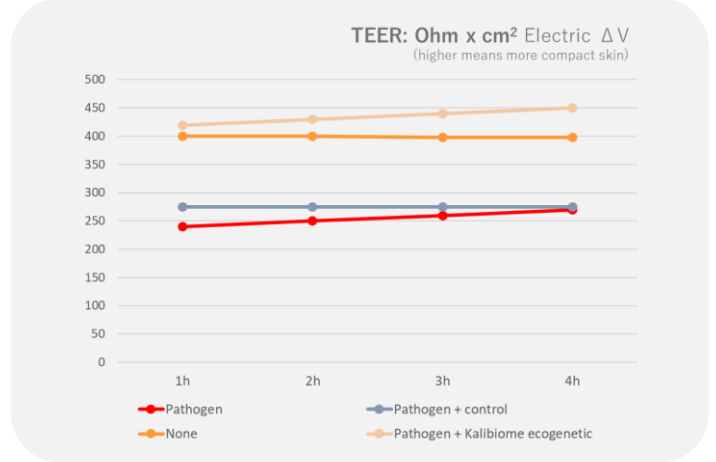
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MICROBIOTA BALANCING: ACTION VS PATHOGENS



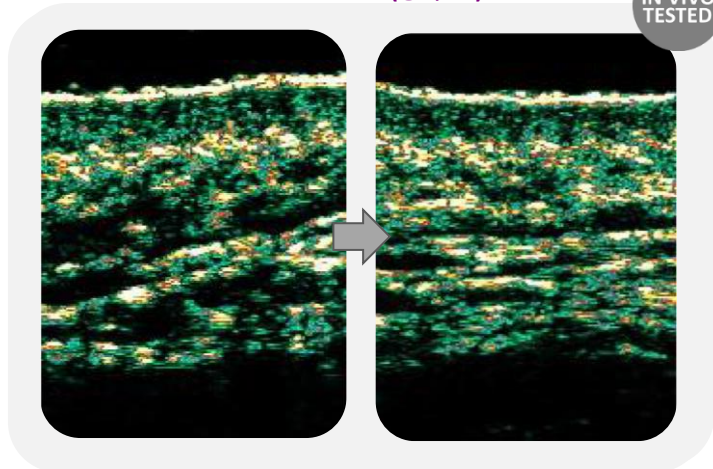
Kalibiome Ecogenetic inhibits bacterial biofilm growth after just 280 minutes, with selective action vs pathogens (*S.aureus*, *P.Aeruginosa*, etc.)

SKIN BARRIER INTEGRITY VS PATHOGENS



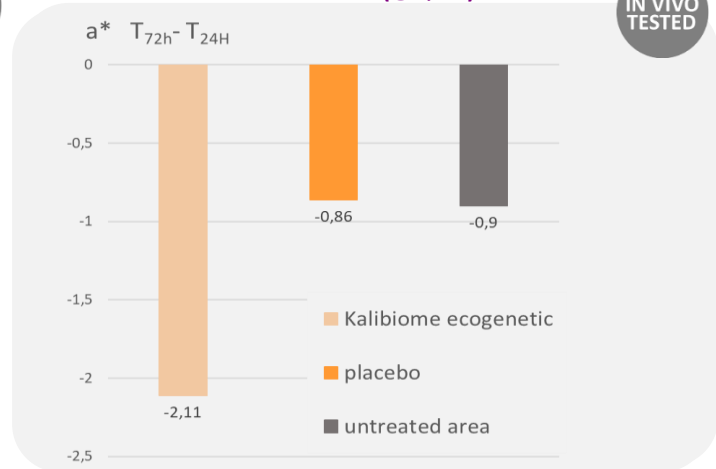
In presence of skin pathogens on keratinocytes, Kalibiome Ecogenetic treatment restores the skin barrier integrity better than in healthy tissues

DERMIS REDENSIFICATION (@0,2%)



Kalibiome Ecogenetic replenishes skin dermis and epidermis, increasing compactness and skin density in 6 weeks

SKIN REDNESS REDUCTION (@0,2%)



It reduces skin redness better than control after a treatment on 20 volunteers. Its activity is linked to the modulation of *IL-12*, *IL-10* and *TNF-α*

>> TECHNICAL OVERVIEW

PH OF USE	% OF USE	APPLICATIONS	SOURCING	FORMULATION TIPS
4.5 ÷ 8.0	0.1 ÷ 0.5	Creams, lotions, gels, serums, rinse off products, alcoholic sanitizers, medical devices	Biotechnology	Presolubilize in water and add the solution to the emulsion, shower gel etc. by thorough stirring in cold process

[INCI NAME : Lactobacillus Ferment, Maltodextrin, Mannitol]