

# KALIBIOME

## SENSITIVE D-V

### >> POSTBIOTICS: A NEW CONCEPT FOR MICROBIOTA CARE

#### EXCLUSIVE POSTBIOTICS FOR HAIR SCALP CARE AND ANTI HAIR LOSS

Kalibiome postbiotics are peptides, fatty acids, biosurfactants released by commensal bacteria able to balance the skin microbiota. They represent the «messengers and effectors» of bacteria beneficial actions on the skin. They are manufactured with a patented technology (PB TECH®) that allows to obtain postbiotics with high reproducibility, providing cosmetics products with concentrated actives able to promote hair anti-ageing action, anti hair-loss and prevention of dandruff and greying. Compared to prebiotics, they show higher specificity of action. Given the absence of living bacteria, Kalibiome is stable in presence of preservatives, and shows a total lack of potential side effects and maximum reproducibility, contrarily to probiotic and lysate based actives.

### >> 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

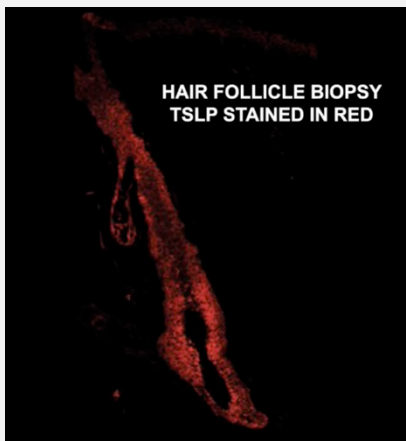
- Prevention of hair follicle miniaturization
- Stimulation of anagen phase extension during hair cycle
- Inhibition of hair scalp microbiome unbalance
- Anti-inflammatory and powerful antioxidant action
- Ideal for anti hair-loss, hair greying, dandruff prevention, sensitive scalp and seborrheic dermatitis



MADE IN ITALY

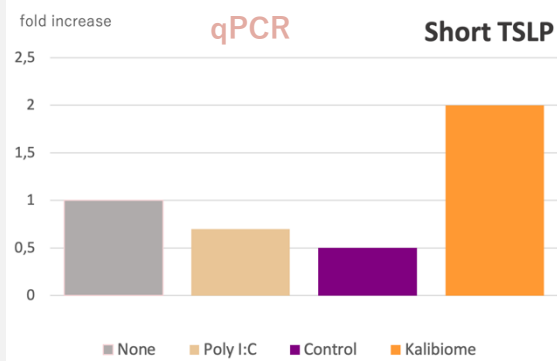
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### ANAGEN STIMULATION



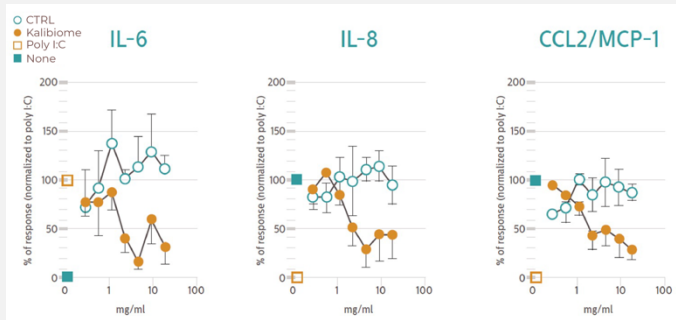
Kalibiome Sensitive D-V promotes increased production of sTSLP during anagen, by favoring hair follicle tissue regeneration.

### STSLP MODULATION



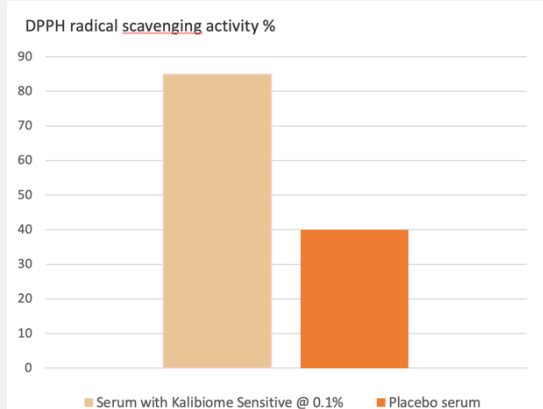
Kalibiome increases sTSLP by 300% vs Control, promoting anagen time extension and prevention of premature catagen.

### FOLLICLE MINIATURIZATION AND ANTI GREY



Kalibiome prevents anagen shortening, follicle miniaturization and hair greying through a modulatory activity on (IL-6, IL-8, MCP1).

### FREE RADICALS SCAVENGING



Kalibiome reduces significantly free radicals through an increase of formulations anti-oxidant force by 110% vs placebo.

## >> TECHNICAL OVERVIEW

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

[ INCI NAME : Lactobacillus Ferment, Mannitol ]



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