

COBIOCARE

Natural Deodorant & Antiseptic active

INCI NAME:

Glycerin, Propolis Extract, Aqua (Water).

DOSE OF USE:

Antiodour products: 1,5 %
Treatment for acneic lesions: 4 %

SOLUBILITY:

Hydro-soluble. Soluble in ethanol.

COSMETIC USE:

- › Safe, natural & efficient deodorants.
- › Natural treatments for acne and acneic lesions.
- › Antiseptic
- › Anti-inflammatory properties

DESCRIPTION:

COBIOCARE is a standardized **extract from propolis** obtained through a **high efficiency patented process**.

Propolis is a **mixture of substances secreted by plants** in order to **protect** them from exogenous factors like:

- ✓ **Bacteria and microorganisms**
- ✓ Oxidizing agents
- ✓ Ultraviolet radiations

COBIOCARE contains a **bio-active polyphenolic combination which reaches up to 15% in bioflavonoids and phenolic acids**, with extraordinary **antibacterial and antimicrobial properties**.

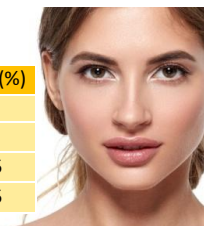
The polyphenols portion is the responsible for the protection from exogenous agents. Our research has focused precisely on that part, investigating on possible similarities between the **positive effects registered in the vegetable kingdom** and the cosmetic efficacy: **Biomimicry concept**.

Among them there are Apigenin, Chrysin, Galangin, Pinocembrin, Pinobanksin, and Quercetin.

In-VITRO Test: Bacterial inhibition

COBIOCARE has been tested on some bacterial strains at different concentrations to determine respectively MIC (Minimum Inhibitory Concentration) and MCB (Minimum Bactericidal Concentration):

Bacterial Strains	MIC (%)	MCB (%)
PROPIONEBACTERIUM ACNES	2,5	4
CANDIDA ALBICANS	2	4
STAPHYLOCOCCUS AUREUS	1	1,5
STAPHYLOCOCCUS HOMINIS	1	1,5



PROPERTIES:

Based on its bactericidal activity, several In-vivo tests on its **deodorizing activity and acneic lesion reduction** were performed:

1) In-VIVO Test: Deodorizing Power

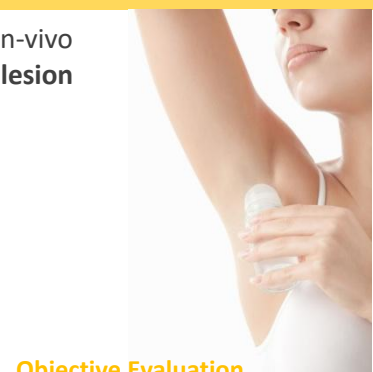
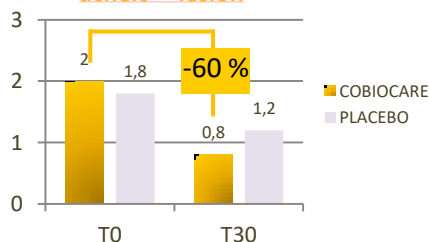
- › 20 subjects panel
- › Observations at 8h and 24h
- › Application of a deodorant containing **1,5% COBIOCARE**
- › Clinical evaluation by experts on the base of a scale from 0 to 5, (corresponding to different odor perceptions).

› Asymmetrical application (treated armpit/ non-treated)
COBIOCARE showed an odour reduction of 61%.

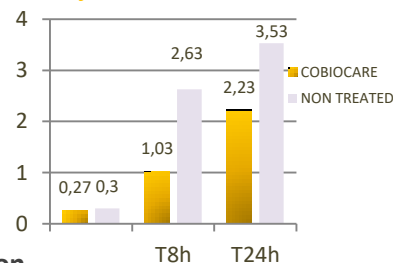
2) In-VIVO Test: Reduction of acneic lesion

- › 34 volunteers with Acne-Prone Skin.
- › Application of **4% COBIOCARE** emulsion vs placebo
- › IGA-FDA 0-4 Acne Severity scale was used: 0 = skin without lesions, 4= severe acne.

In-vivo test: Reduction of acneic lesion



Objective Evaluation



COBIOCARE showed a decrease of 60% in acneic lesions:



Naturally Effective