

BICOMIDE ACNE CONTROL



BICOMIDE® is an especial Bicosome combination that works combating the processes related to the appearance and persistence of Acne.

Acne vulgaris is a chronic inflammatory skin condition affecting the pilosebaceous units characterised by altered keratinisation, increased sebum production in the sebaceous glands and bacterial colonisation of hair follicles.

Acneic alterations cause shiny looking skin, enlarged pores, blackheads and inflammation due to the production of pro-inflammatory mediators and porphyrins.

Current treatments include the use of molecules that help unclog pores, control surface bacteria and stimulate skin renewal. Although most treatments help reduce acne, they have compliance issues as they often cause skin dryness and irritation.

The **Bicosome®** platform is an intelligent technology that can incorporate a wide range of active ingredients and transport them to specific layers of the skin and follicle, bringing benefits that help prevent and control acne.

Bicomide® Acne Control is created by combining Bicosome® technology with Niacinamide (vitamin B3). This ingredient controls sebum production and reduces surface bacteria, preventing enlarged pores and acne breakouts.

The use of **Bicomide®** with **Bicocalm®**, which incorporates alpha-Bisabolol, has a synergistic effect that helps control irritation and prevent the spread of bacteria, which can be verified by the reduction of porphyrins.



FIGURES 1 & 2: SEBUM CONTROL & ANTIMICROBIAL EFFICACY (IN VIVO)

A new formulation containing 3% of Bicomide® and 1% of Bicocalm®, named Bicosome® Anti-Acne Rebalancing Gel, was used twice a day in 20 volunteers with oily to acneic skin.

Treatment with Bicosome® Anti-Acne Rebalancing gel led to a 25% decrease in the amount of sebum.

After treatment with Bicosome® Anti-Acne Rebalancing gel, there was a 24% decrease in Porphyrin size area.

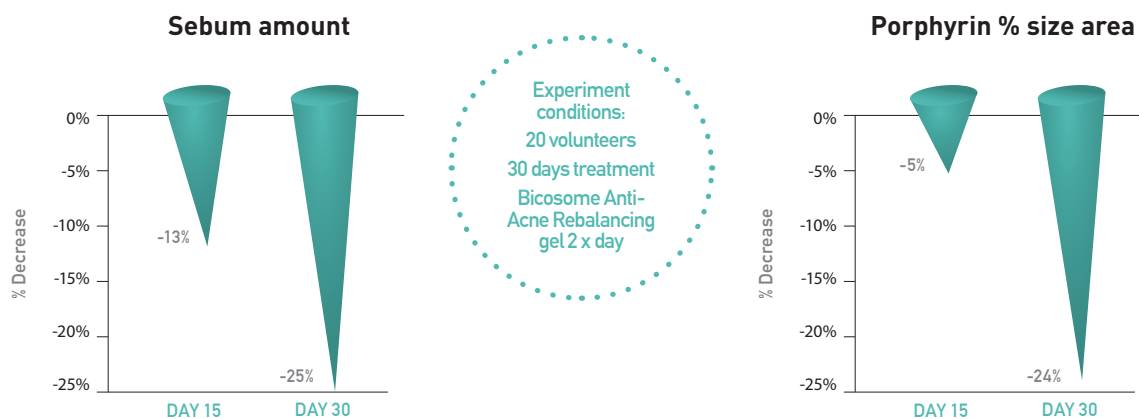
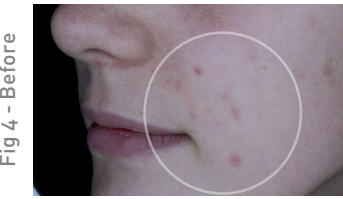


Fig 1&2. Decrease in acne symptoms after 15 and 30 days of treatment. Figure 1, left: Evaluation of sebum with Sebumeter® SM 815 (p DO-D15 = 0.00 and p DO-D30 = 0.00). Figure 2, right: Evaluation of percent size area of porphyrins determined by Visiopor® PP 24N (p DO-D14 = 0.83 and p DO-D30 = 0.02).



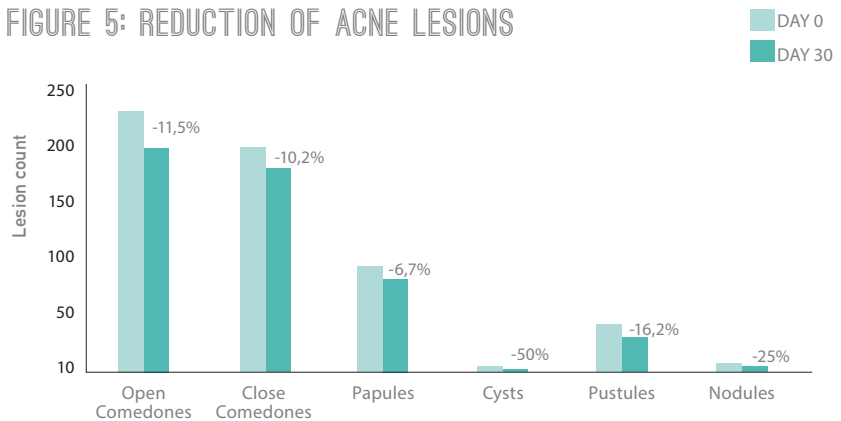
FIGURES 3 & 4: FACIAL MACRO PHOTOGRAPHS HD-VISIOFACE®

The treatment with **Bicosome® Anti-Acne Rebalancing Gel**, improved the skin's appearance with a clear decrease in the number of acne blemishes.

Fig 3&4. Front and profile of a volunteer before and after 30-days treatment with **Bicosome® Anti-Acne Rebalancing gel** 2 x day. Improvement of the most significant areas is marked with white circles.

The results most valued by volunteers were hydration, skin smoothing, reduction in greasy appearance and pimples.

FIGURE 5: REDUCTION OF ACNE LESIONS



Summary of Benefits:

- ⊙ Decrease sebum production
- ⊙ Reduction of porphyrins
- ⊙ Improvement of acne lesions
- ⊙ High tolerance
- ⊙ Non comedogenic
- ⊙ Tested under Dermatological control
- ⊙ Tested under Ophthalmological control

Formulation with Bicomide® and Bicocalm®

Recommended dosage: 1 – 3%

Max temperature: 50°C

pH range: 4 – 8

Max. stirring speed: 3000rpm

PRODUCT TYPES

ANTI-ACNE
SERUMS

SEBUM
CONTROL
GELS

ANTI-BLEMISH
LOTIONS

SOOTHING
LOTIONS

PURIFYING
MASKS

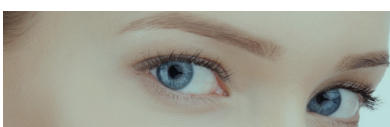
ANTI-ACNE
STICKS

INCI of Bicomide®:

AQUA, LECITHIN, NIACINAMIDE, LYSOLECITHIN, PHENETHYL ALCOHOL, CAPRYLHYDROXAMIC ACID, TOCOPHERYL ACETATE, CAPRYLYL GLYCOL, PHYTIC ACID

INCI of Bicocalm®:

AQUA, LECITHIN, BISABOLOL, LYSOLECITHIN, PHENETHYL ALCOHOL, CAPRYLHYDROXAMIC ACID, TOCOPHERYL ACETATE, CAPRYLYL GLYCOL, PHYTIC ACID, SODIUM HIDROXIDE



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