

# SEBARYL™ FL

Sebum control complex with  
multilevel approach

- Inhibits the enzyme ( $5\alpha$ -reductase) involved in sebum formation.
- Efficiently reduces sebum flow.
- Reduces the shiny appearance of oily skin.



For healthier looking,  
mattified skin



LABORATOIRES  
SÉROBIOLOGIQUES  
Division de **Cognis** France

## DEFINITION

Sebum is a substance produced by sebaceous glands, consisting mainly of triglycerides, wax esters and squalane. The sebaceous glands are triggered to produce sebum by the hormone DHT (dihydroxytestosterone), which is formed from testosterone under the influence of the enzyme 5 $\alpha$ -reductase.

Sebum plays an important role in maintaining skin health. Under normal conditions, sebum is only produced in such amounts needed to adequately lubricate and protect skin and hair. When there is an overproduction of DHT, or in case of an increased sensitivity of the sebaceous glands to DHT, sebum is produced excessively, resulting in oily, shiny skin. Oily skin is also more susceptible to clogged pores, blackheads and acne breakouts.

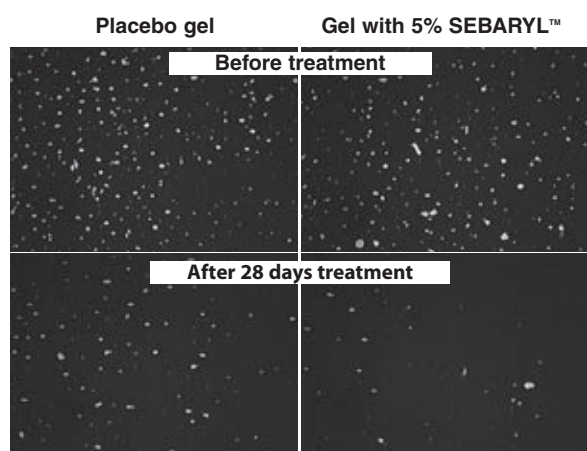
Laboratoires Sérobiologiques offers **the solution to oily skin with SEBARYL™**.

SEBARYL™ contains amino acids and sulfopeptides from yeast as well as zinc salt for **sebum regulation**, caffeine and B vitamins to **reduce lipogenesis**, **anti-inflammatory** horse chestnut extract and a licorice derivative to **help emulsify excess sebum** on the skin.

SEBARYL™ acts on **multiple levels to control sebum production** and **reduce the shiny appearance** of oily skin.

## EFFICACY TESTS

### Sebum regulating effect (clinical test)



Evaluation of the number and size of the active sebaceous glands/sebum spots on Sebutape.

After 28 days of use, the gel containing SEBARYL™ has significantly reduced the number of (over)active sebum glands, as evidenced by the reduced number of spots on the Sebutape. Additionally the total flow of sebum, as evidenced by the reduced surface area of the spots on the Sebutape, was significantly reduced. SEBARYL™ efficiently reduces sebum production.

### Complementary test:

- Inhibition of 5 $\alpha$ -reductase

## COSMETIC APPLICATION

- Oily or mixed skin care products – tonics, gels, emulsions.
- T-zone products.
- Products for acne-prone skin.

## TECHNICAL DATA

### SEBARYL™ FL LS 9088

INCI : Water (and) Niacinamide (and) Yeast Extract (and) Aesculus Hippocastanum (Horse Chestnut) Seed Extract (and) Ammonium Glycyrrhizate (and) Panthenol (and) Propylene Glycol (and) Zinc Gluconate (and) Caffeine (and) Biotin

### SEBARYL™ FL LS 9768 (propylene glycol free)

INCI : Water (and) Niacinamide (and) Yeast Extract (and) Aesculus Hippocastanum (Horse Chestnut) Seed Extract (and) Ammonium Glycyrrhizate (and) Panthenol (and) Zinc Gluconate (and) Caffeine (and) Biotin

Preservatives : phenoxyethanol

Dose of use : 3 - 5%

Aspect : clear pale yellow liquid with a weak odor.

Solubility : soluble in water and diluted ethanol, insoluble in oils.