

CYTOBIOL IRIS A & CYTOBIOL BURDOCK

Introduction

Acne is one of the most frustrating cutaneous disorders, which besides physical signs also induce emotional disorder. Can we put a stop to shiny skin, dilated pores, blackheads, acne and blemishes? The answer against cutaneous imperfections and the first step in helping acne-prone skin may be **purity** and **balance**.

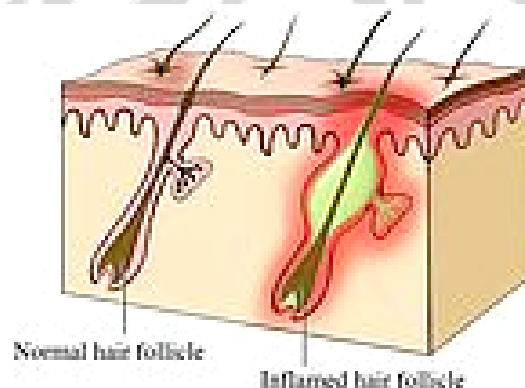
Here is a selection of active ingredients or excipients – problem solvers aimed at impurities, dead cells, sebum and undesirable bacteria – to be formulated into deep cleansing lotions, no-shine and balancing treatments.



WHAT IS ACNE?

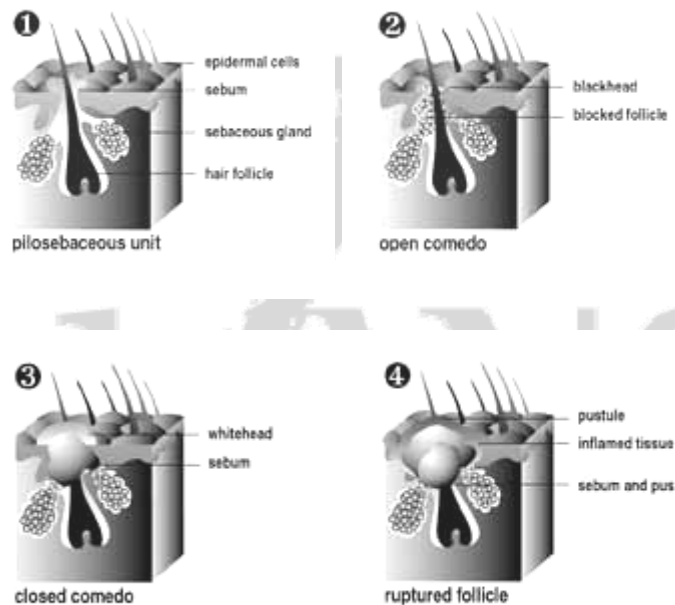
Acne commonly known as 'pimples' is a chronic inflammatory disorder of the sebaceous unit present in the skin.

In mild to moderate cases, there may be black heads (comedones), white heads (papules) or pustules. In severe cases, there are nodules, cysts and abscess which lead to scarring if not treated on time.



ACNE FORMATION

- ✿ Acne begins in **pilosebaceous** units, which consist of sebaceous glands and a single hair follicle. The sebaceous glands produce an oily substance called **sebum**.
- ✿ Sometimes, hormones produced in the adrenal glands trigger the production of excess sebum, clogging the follicle and leading to bacterial growth. The resulting plug can appear dark and is called a **blackhead**, or **open comedo**.
- ✿ If the plug is below the skin surface, it is called a **whitehead**, or **closed comedo**.
- ✿ But, if the pocket of sebum and bacteria becomes too large, the follicle will rupture, spilling its contents into the surrounding tissue. These tissues are damaged when the body's immune system attempts a repair, resulting in a **papule**, **pustule**, **cyst** or **abscess**.



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Several factors induces acne-prone skin

- Hormonal reason (androgen)
- Stress, Alimentation, Bacteria, Sun....



Solutions for Acne

95% of teenagers and 30% of women are affected by problem-skin...At the heart of the problem: the pilosebaceous follicle becomes “hyperactive” and the cell renewal process runs wild, dead cells and sebum accumulate leaving the surface to oxidize in the presence of oxygen and U.V., thus creating the infamous “blackhead”.

To mattify the skin and prevent it from shining, and for primary, direct action, fine particles acting as micro-sponges can be used. The **Aprispheres** – plant-based, with a granulometry of 160µm, will sequester excess surface oils for a long-term mat effect. But, more complete and sophisticated ingredients are often favored by formulators seeking a global approach.

The synergistic combination of distinct compounds each targeting a specific phase in the development of blemishes has shown its efficiency in restoring smooth and perfect looking skin.



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Cytobiol Iris A

Cytobiol Iris A, is a good example of such synergistic action. It is an active ingredient created from **Iris extract**, **Vitamin A** and **Zinc salt**. It takes its strength from the combined effects of its constituents. The properties of each ingredient make it possible to attack the symptoms of *acne vulgaris*, be it the common adolescent form or the adult form.

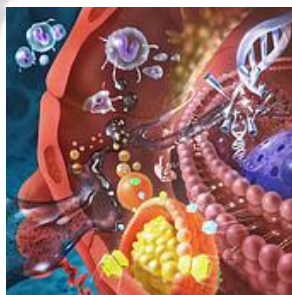
- ✿ **Extract of Iris.** It is for its anti-inflammatory, astringent and decongestant properties that iris is used in the **LIBiol** active compound. The specific extraction process used makes it possible to extract the active part of the rhizomes, particularly the glucosides (**lucosides** and **rutosides**), whilst also guaranteeing



perfect reproducibility.

- ✿ **Zinc Salt** is well known for its antiseptic properties. For this reason, it is commonly used in dermatology, particularly on skin with a tendency to develop acne. In addition, thanks to its inhibitory action on **5-alpha-reductase**, Zinc is also an efficient seboregulator.

- ✿ **Vitamin A** is the final ingredient in *Cytobiol Iris A*. At a dose of 200 international units per ml, vitamin A is a growth factor that favors cell multiplication. It is also a **tissue regenerator** and “protector” of the epidermis. Finally, vitamin A is recommended for oily skin as it **regulates seborrhea** by inhibiting the synthesis of lipids.



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Two clinical studies, conducted on volunteers, presenting both functional signs (puritus, superficial skin tightness and a burning sensation) and physical signs (folliculitis, comedones, erythrosis) of untreated acneic lesions, show a clear improvement in the pre-existing acneic lesions in 75% of the cases by the 14th day of the studies. After 28 days, 100% of the volunteers observed this improvement. The anti-seborrheic properties appeared clearly with an average decrease in sebum production for all regions of 12% at D14 and 25% at D28. And, the results of the *in vitro* study demonstrated that **Cytobiol Iris A** was effective in inhibiting bacterial growth at concentrations as low as 5% for both *Staphylococcus epidermis* and *Corynebacter acnes*.

In another option, the Burdock root extract, containing polyphenols and traditionally used to treat cutaneous problems such as eczema, psoriasis and acne, is associated in Gattefosse's **Cytobiol Bardane** with a vitamin – biotin, also known as vitamin B8, the lack of which induces seborrheic dermatitis –and zinc to slow down sebum production.

Cytobiol Burdock

Anti-seborrheic

➤ **Burdock extract**

- ❖ *Arctium majus*
- ❖ Mainly due to the presence of polyphenols
- ❖ Active principle extracted from the roots



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➤ **Biotine**

- ❖ Vitamin B8
- ❖ Deficiency in biotin induce seborrheic dermatitis

✿ **Anti-bacterial**

➤ **Zinc Salt**

- ❖ Limit bacterial attack and skin disorder

The noted synergy of the properties of the 3 components of **Cytobiol Burdock** makes it possible to target its applications to oily but non-acneic skin, not presenting inflammatory lesions. The oily adult skin, for example, can present such symptoms (brightness, dilations of the pores); **Cytobiol Burdock** allows to reduce these signs considerably.

Functions Claims

- ✿ Anti-acneic agent
- ✿ Natural Bacteriostatic agent
- ✿ Regulates Seborrhea
- ✿ Decrease on Sebum Production

Application

Cytobiol Iris A & Cytobiol Burdock is use in cosmetic and dermatological skin care products for:

- ✿ Skin care products for acne skin and acne prone skin
- ✿ Oil control products
- ✿ Purifying and rebalancing products

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Formulations

- ✿ Roll-On Stop-Spots JB 1898/A
- ✿ Purifying Ice Gel JB 7964/A
- ✿ Anti-Acne Cream CA/ACC/001/07
- ✿ Anti-Acne Gel CA/ACG/001/07
- ✿ Anti-Acne Cleansing Gel CA/ACCG/001/07
- ✿ Anti-Acne Toner CA/ACTO/001/07

Contact Us Today!

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