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TECHNICAL PROTOCOLE
SPECIFIC TREATMENTS
PURIFY

ACTI-BIOTIC
FOR COMBINATION,
OILY AND ACNE-PRONE SKIN



TREATMENT OF COMBINATION, OILY AND ACNE-PRONE SKIN

The treatment of oily skin is both complicated and vast. The problem of oily skin involves many different aspects. The simplest causes are: excess make-up on poorly cleansed skin, clogged skin leading to whiteheads, blackheads and shiny skin subject to excess seborrhoea and in need of balancing and mattifying action. These are common cases that are easy to manage with adapted skincare.

But we know that oily skin can also present problems that are more difficult to solve. This is the case of acne-prone skin. Caused by many different factors, acne can become extreme and leave marks on the skin. Therefore, it is important to treat it carefully and effectively.



Our research services aimed to develop a treatment method that targets ALL phenomena of oily skin, from the simplest to the most complex.

ACTI-BIOTIC is a range of highly targeted and high performance skin care products dedicated to the treatment of combination to oily skin and/or acne-prone skin. Formulated with a powerful phyto-complex, these products stimulate the synthesis of the skin's natural antibiotics to help it defend itself against invasions by microbes that are partly responsible for the formation of acne. They act on the whole hyperactivity problem of the sebaceous gland by regulating and rebalancing it.

THESE PROVIDE THE FOLLOWING RESPONSES:

Powerful active ingredients were also added to this skincare product range to offer specific actions, such as anti-seborrhoeic, antibacterial, anti-hormonal and anti-irritation actions, which we will now discover in more detail.

- PURIFICATION
- DETOXIFICATION
- DEEP-CLEANSING OF BLACKHEADS
- REDUCTION OF SEBUM
- REGULATION OF SEBACEOUS GLANDS
- ANTI-HORMONAL ACTION
- ANTIBACTERIAL ACTION

DERMAPUR: A NATURAL POWERFUL ANTIBIOTIC

To combat microbial infections, the skin produces natural antibiotics that allow it to maintain the balance of its resident flora (composed of billions of microorganisms, such as yeast, fungus and bacteria).

When this ecosystem is disturbed or imbalanced, the bacteria proliferate and the skin develops retentive and inflammatory wounds. Natural antibiotics help limit the invasion and growth of pathogenic bacteria on the skin's surface.



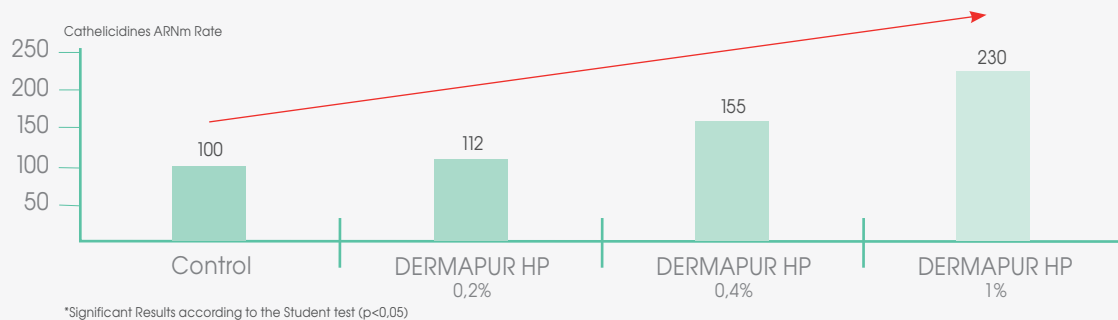
POWERFUL ANTIBACTERIAL ACTION

A star active ingredient of the new ACTI-BIOTIC range DERMAPUR is a powerful phyto-complex (meadowsweet extract) capable of stimulating the synthesis of the skin's natural antibiotics to help it defend itself against microbial invasions responsible for acne. DERMAPUR boosts the synthesis of cathelicidins, the antimicrobial peptides produced naturally by our cells.

Cathelicidins disorganise the bacterial membrane by making it permeable. They thus have a direct antibiotic action. The skin's natural defences are reinforced. The skin is better armed to stop bacterial proliferation, balance and preserve its resident microflora.

IN VITRO STUDIES

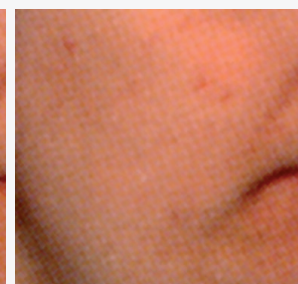
In vitro dermatological measurements showed that the use of DERMAPUR **increases the synthesis of cathelicidins (the skin's natural antimicrobial peptides) by up to 130%.**



The results demonstrated **82%** inhibition of *Staphylococcus aureus* and up to **92%** inhibition of *Propionibacterium acnes*, the principal bacteria responsible for acne complications.



Amount of acne wounds T0



Amount of acne wounds T28

RESULTS AFTER ONE-MONTH TREATMENT

Presence of macrocysts:	- 40%
Presence of inflammatory wounds:	- 20%
Infiltration of wounds:	- 22%

SEBOREGULATOR COMPLEX = ZINC METAL + IRIS ANTIBACTERIAL, ANTISEPTIC, ANTI-REDNESS

The combination of iris extract and zinc is used to produce a multi-acting SEBOREGULATOR complex: enzyme regulator, antiseptic, decongestant, astringent and keratolytic.

IRIS RHIZOME EXTRACT

Rich in glucosides and rutosides, iris helps prevent the appearance of redness by restructuring the mid layer (muscular sheath) of the blood vessels and diminishes the reactive irritations of oily skin.

METAL ZINC

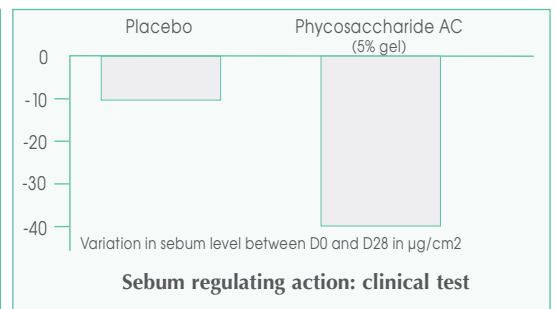
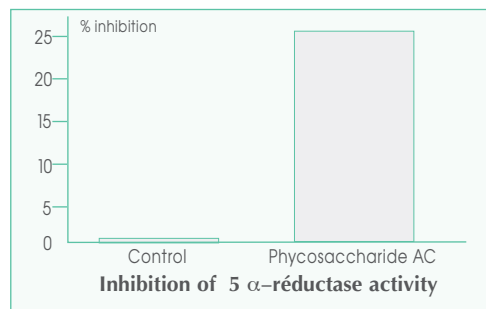
Zinc plays a multiple role in the treatment of the factors associated with oily skin:

- 1) It is antiseptic and healing. Two mechanisms are involved in the fight against bacteria: a direct anti-proliferation action on flora and an absorption action on toxins and the destructive enzymes of bacteria.
- 2) It acts as a co-enzyme in the repair reactions of damaged tissues, such as peptidases and lipases. Zinc also combats free radicals, released in mass amounts during inflammatory reactions. It is a component of catalase, the enzyme that diminishes the quantity of free radicals responsible for the destruction of tissues and vessels during inflammation.



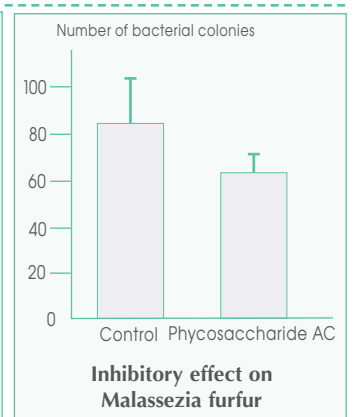
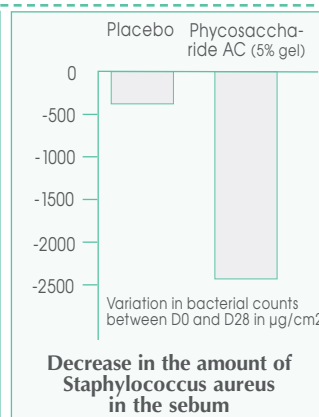
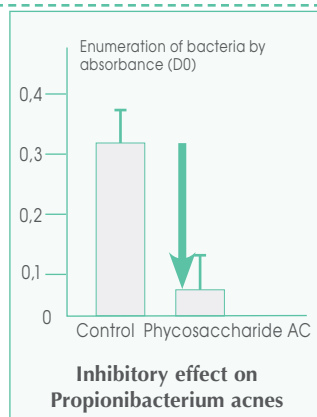
PHYCOSACCHARIDE AC POWERFUL ANTI-SEBORRHOEA

PHYCOSACCHARIDE AC is a marine-derived oligosaccharide associated with zinc. It helps to slow seborrhoeic synthesis, the release of sebum, and protects the skin against all risks of acne complications.



INHIBITION OF BACTERIAL PROLIFERATION

With its composition of tannic polyphenols, PHYCOSACCHARIDE AC limits the growth of *Staphylococcus aureus*, *Propionibacterium acnes* and *Malassezia furfur* responsible for the formation of comedones and concomitant inflammatory processes.



REDUCTION IN SKIN LESIONS



ACNET: ANTI-HORMONAL, ANTI-INFLAMMATORY

ACNET is a **biotechnological** active ingredient that acts simultaneously on all problems of oil skin: hyperseborrhoea, hyperkeratosis, inflammation and bacterial development. This complex is a **combination of Nordihydroguaiaretic acid, or NDGA**, and oleanolic acid, formulated in an Osmocide gel. It combats all factors that cause the appearance of acne.

SEBUM-REGULATING ACTION

The **oleanolic acid** (olive leaf extract) contained in ACNET helps inhibit 5-alpha-reductase, the enzyme capable of transforming the steroid hormone testosterone into active dihydrotestosterone, which is responsible for stimulating the sebaceous glands. The inhibition of its activity helps regulate sebum production.

ANTI-HYPERKERATOSIS AND ANTI-INFLAMMATORY ACTIONS

Nordihydroguaiaretic acid, or NDGA is an interesting molecule, as it acts on two of the components involved in the production of acne: it is anti-inflammatory and inhibits the cellular proliferation that causes hyperkeratinisation. To do so, it disorganises the transportation of proteins within the cell and reduces the available energy (levels of ATP) to slow the metabolism of cellular division (mitosis).

ANTIBACTERIAL ACTION

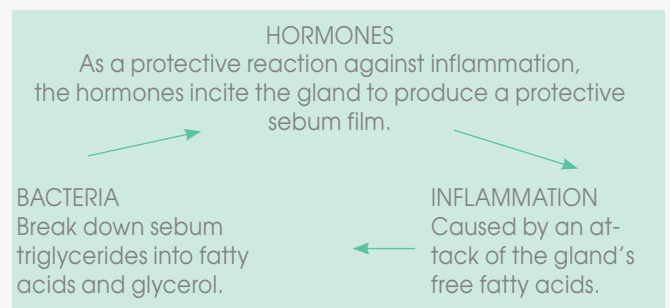
Formulated from polyols, the osmocide gel has amazing antibacterial properties. It acts by osmotic effect and deprives microorganisms from the minimum quantity of free water necessary for their growth.

IN VIVO TEST RESULTS

SEBORRHOEA:	-44%
PAPULES AND PUSTULES:	-32%
ACTIVE SEBACEOUS GLANDS:	-31%
MICROCYSTS:	-27%
WHITEHEADS:	-35%
ASTRINGENT EFFECT:	+35%
SKIN APPEARANCE:	+35%



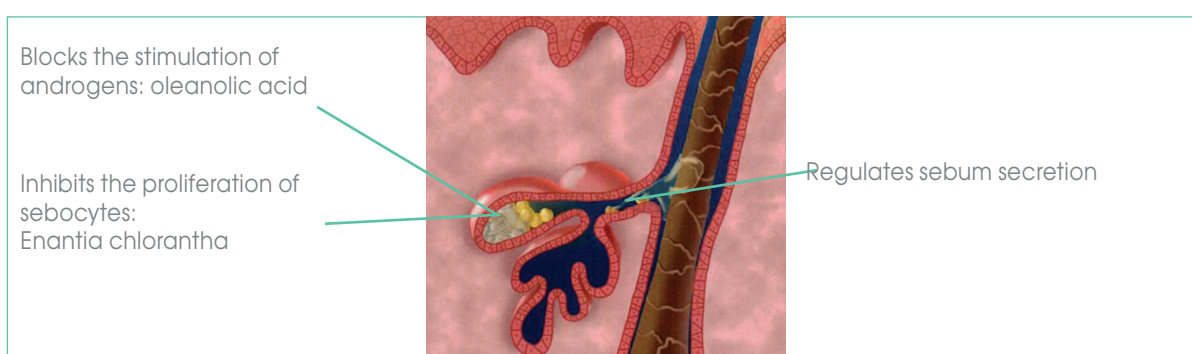
P. acnes visualisation (orange dots)



Wound number reduction

EVERMAT: ANTI-SEBOCYTE, ANTI-HORMONAL

EVERMAT is a new active ingredient (derived from Enantia chlorantha, an extract from an African tree, and oleanolic acid, extracted from olive leaf), capable of acting on two essential factors of sebaceous physiology to reduce seborrhoea: it inhibits 5-alpha-reductase and reduces the number of sebocytes.



BIODEXTROL: ANTI-HORMONAL

BIODEXTROL is a biotechnological active ingredient, an in situ regulator of the hormonal activity of the sebaceous gland. Derived from techniques similar to those used in the fabrication of antibiotics, this active ingredient is obtained via the bioconversion of starch extract, carried out by a specific enzyme called cyclodextrin glycosyltransferase. The three-dimensional structure of BIODEXTROL makes it pos-

sible to regulate the activity of androgen steroid hormones. It temporarily attaches itself to them and changes their solubility in sebaceous glands. The glands are no longer overstimulated. They quickly regain their normal activity.

BIODEXTROL acts quickly on the sebaceous glands: in 10 days, hyperseborrhoeic skin regains normal lipid flows, without drying out.



ACTI-BIOTIC SKIN CARE PRODUCTS

RETAIL



SEBO-SAVON - 250-ml / Ref. E834

Purifying Foaming Gel

SEBO-SERUM - 30-ml / Ref. E529

Corrective Serum

SEBO-GEL - 30-ml / Ref. E530

Corrective Gel



SEBO-PEELING - 50-ml / Ref. E528

Salicylic Scrub

SEBO-MASK - 50-ml / Ref. E531

Purifying Mask

SEBO-CREME - 50-ml / Ref. E833

Hydra-Normalizing Cream

PROFESSIONAL PRODUCTS



SEBO-SAVON - 500-ml / Ref. E836

Purifying Foaming Gel

OPEN PORES SERUM - 30-ml / Ref. E536

WHITE SPOTS SERUM - 30-ml / Ref. E538

SEBO-MINERAL - 300g / Ref. E534

Clay Mask



SEBO-PEELING - 150-ml / Ref. E532

Salicylic Scrub

SEBO-GEL - 150-ml / Ref. E835

Corrective Gel

SEBO-CREME - 150-ml / Ref. E533

Massage Cream

ACTI-BIOTIC PROFESSIONAL TREATMENT PROTOCOL FOR COMBINATION, OILY AND ACNE-PRONE SKIN

Oily, asphyxiated skin with active seborrhoea and blackheads or whiteheads. Regulates hormonal activity, tightens pores, soothes irritated areas, matifies shiny areas. Purifying, cleansing and rebalancing. Leaves skin healthy and clear.



1. CLEANSING

Cleanse the face and neck with ACTI-BIOTIC SEBO-SOAP E836. Rinse thoroughly with a damp sponge.



2. EXFOLIATION

Apply ACTI-BIOTIC SEBO-PEELING E532 scrub to face and neck, then make circular movements with fingertips. Then clean with a damp sponge.

3. EXTRACTING COMEDONES

Hot steam with ozone, 10 min, and then extraction of comedones; use of high frequency for a bactericidal effect.



4. APPLYING SERUMS

Application of specific serums by area, according to needs: ACTI-BIOTIC OPEN PORES SERUM E536 and/or ACTI-BIOTIC WHITE SPOT SERUM E538, using gentle dabbing motions; leave to be absorbed for approximately 5 minutes.



5. MASK PREPARATION

Preparation of ACTI-BIOTIC SEBO-MINERAL CLAY MASK E534: mix one 20 ml dose of the mask in a bowl with 30 ml of cold water.



6. MASSAGE

Carry out a gentle massage of the face and neck with ACTI-BIOTIC SEBO-CREAM E533.



7. MASK APPLICATION

Apply ACTI-BIOTIC SEBO-MINERAL MASK E534 to the face and neck using a brush, avoiding the eye contour area. Soak 2 cotton pads with BIOPTIC SOOTHING LOTION E234 and place them over the eyes. Place the gauze over the entire face and neck: take care to make it adhere to the skin, then pull slightly upwards to obtain perfect modelling of the face and neck. Then apply a second thicker layer of the mask to the entire face and neck. Leave to dry for approximately 15 minutes. Gently remove the gauze. Cleanse the face and neck with a damp sponge.



8. APPLYING SERUMS

Application of specific serums by area, according to needs: ACTI-BIOTIC SERUM FOR OPEN PORES E536 and/or ACTI-BIOTIC WHITE SPOT SERUM E538, using gentle dabbing motions; leave to be absorbed for approximately 5 minutes.



8. MASSAGE

Apply ACTI-BIOTIC SEBO-GEL E835 and carry out a gentle massage of the face and neck until complete absorption.

TREATMENT DURATION: 60 MIN
1 COURSE: 4 TO 8 SESSIONS
TREATMENT FREQUENCY: ONCE A WEEK

ACTI-BIOTIC SKIN CARE LINE

PRODUCTS	FUNCTIONS	ACTIVE INGREDIENTS & ACTIONS
SEBO-SAVON PURIFYING FOAMING GEL RETAIL: 250-ml bottle Ref. E834 PROFESSIONAL USE: 500-ml bottle Ref. E836	<p>Gently cleanses and purifies. Leaves skin clear, smooth, fresh and radiant..</p> <p><u>Directions for use:</u> Apply daily to wet skin, spread over skin with fingertips, rinse thoroughly with warm water.</p>	<ul style="list-style-type: none"> • EVERMAT: Sebum-regulating. • DERMAPUR: Inhibits bacterial proliferation. • ACNET: Anti-seborrhoea, anti-bacterial.
SEBO-SERUM CORRECTIVE SERUM RETAIL: 30-ml dropper bottle Ref. E529 PROFESSIONAL USE: not available	<p>Local action for treating whiteheads and blackheads.</p> <p><u>Directions for use:</u> Apply locally to imperfections every evening for one month.</p>	<ul style="list-style-type: none"> • DERMAPUR: Inhibits bacterial proliferation. • ACNET: Anti-seborrhoea, anti-bacterial.
SEBO-GEL CORRECTIVE GEL RETAIL: 30-ml pump bottle Ref. E530 PROFESSIONAL USE: 150-ml tube Ref. E835	<p>Corrective gel, triple-action care. Fights against bacterial proliferation. Refines skin texture. Regulates sebum secretion.</p> <p><u>Directions for use:</u> Apply morning and evening to a perfectly clean face.</p>	<ul style="list-style-type: none"> • DERMAPUR: Inhibits bacterial proliferation. • BIODEXTROL: Sebum-regulating, anti-hormone.
SEBO-PEELING SALICYLIC SCRUB RETAIL: tube canule 50-ml Ref. E528 PROFESSIONAL USE: 150-ml tube Ref. E532	<p>Exfoliator enriched with salicylic acid, cleanses in-depth.</p> <p><u>Directions for use:</u> Apply to a wet face. Scrub using little circular movements and rinse with warm water.</p>	<ul style="list-style-type: none"> • DERMAPUR: Inhibits bacterial proliferation. • SALICYLIC ACID: Keratolytic action. • GLYCYRRHETINIC ACID: Anti-inflammatory.
SEBO-MASK PURIFYING MASK RETAIL: 50-ml tube Ref. E531 PROFESSIONAL USE: not available	<p>Purifying mask with super-absorbent powers. Brightens the complexion. Concentrated in sebum-regulating and anti-bacterial active ingredients.</p> <p><u>Directions for use:</u> Apply a thick layer. Leave to dry for 15 min then rinse with water. Use once a day as a treatment or once a week as part of your skin care beauty routine.</p>	<ul style="list-style-type: none"> • DERMAPUR: Inhibits bacterial proliferation. • ACNET: Anti-seborrhoea, anti-bacterial. • PHYCOSACCHARIDE AC: Active sebo regulator.
WHITE SPOTS SERUM RETAIL: not available PROFESSIONAL USE: 30-ml dropper bottle Ref. E538	<p>Ultra-concentrated on acneic lesions.</p> <p><u>Directions for use:</u> Apply a few drops of the serum on the areas of the face and neck showing white pimples.</p>	<ul style="list-style-type: none"> • DERMAPUR: Inhibits bacterial proliferation. • IRIS + ZINC: Antiseptic, anti-inflammatory.

ACTI-BIOTIC SKIN CARE LINE

PRODUCTS	FUNCTIONS	ACTIVE INGREDIENTS & ACTIONS
OPEN PORES SERUM RETAIL: not available PROFESSIONAL USE: 30-ml dropper bottle Ref. E536	Ultra-concentrated serum: powerful, localised astringent action. <u>Directions for use:</u> Apply a few drops of the serum to the areas of the face showing enlarged pores.	<ul style="list-style-type: none"> • DERMAPUR: Inhibits bacterial proliferation. • PHYCOSACCHARIDE AC: Active seborregulator.
SEBO-CREME HYDRA-NORMALIZING CREAM RETAIL: 30-ml tube Ref. E833 PROFESSIONAL USE: tube canule 150-ml Ref. E533	Moisturises and rebalances sebaceous secretions. For comfortable skin and no shine. <u>Directions for use:</u> Apply morning and evening on a thoroughly cleansed skin.	<ul style="list-style-type: none"> • DERMAPUR: Inhibits bacterial proliferation. • ACNET: Anti-seborrhoea, anti-bacterial. • WILLOW BARK EXTRACT: Anti-inflammatory.
SEBO-MINERAL CLAY MASK RETAIL: not available PROFESSIONAL USE: pot 300g Ref. E534	Absorbent, purifying mask aimed at eliminating toxins. <u>Directions for use:</u> Mix a 20ml-dose of powder in a cup with 30ml of cold water. Apply with a brush to the face and neck, avoiding the eye contour. Place a sheet of gauze over the entire face and neck, pulling it slightly upwards. Apply a second, thicker layer and leave on to work for 15min, then remove.	<ul style="list-style-type: none"> • GREEN CLAY: Absorbant. • E.O. THYME, PINE, BURDOCK, NETTLE: Healing, soothing, antiseptic, antiinflammatory.

