Scars
Keloids
Burns
Stretch Marks
Athletic Injuries
Ulcerated Leg Wounds
Acne Scars

AlpaWash™ & CopaSil™

Compounding Solutions for Wound and Scar Medications

Where Nature Can Help Treat
What’s Beneath the Surface

MEDISCA®
Your Trusted Partner in Compounding
Combining some of the finest ingredients located in the Swiss Alps and the Amazon, MEDISCA’s AlpaWash™ and CopaSil™ embody a natural and scientifically sound solution for compounding in wound care!
Wound healing should come naturally, but sometimes due to complications, poor circulation or infection, the healing process can be slow or difficult which can result in wounds that are hard to heal. Various active pharmaceutical ingredients are prescribed by physicians for the treatment of wounds in compounded medications. For such medications to work at their best, the right bases and vehicles are important so that the medication can be delivered to the site in the optimal manner to facilitate the healing process.

MEDISCA’s new wound & scar product line has been designed to help optimize the bases and medication vehicles used in compounded medications prescribed by the physician for treatment in all stages of the repair process: the inflammatory stage, the re-epithelialization stage, and the remodeling stage.

AlpaWash™ and CopaSil™, MEDISCA’s unique formulations, contain scientifically supported ingredients. Carefully selected, each key ingredient provides a distinct role within each stage of wound healing.

Specialized bases for use in compounded products prescribed for:

**AlpaWash™**
- **WOUNDS**
- Inflammation
- Re-epithelialization
- Remodeling

**CopaSil™**
- **SCARS**
- Inca Inchi Lipactive®
- Copaiba oil
- Sweet Almond oil

**AlpaWash™**
- Alpaflor® Imperatoria AO
- Micronized Green propolis

**CopaSil™**
- Copaiba oil
- Sweet Almond oil
- Inca Inchi Lipactive®

Alpaflor® Imperatoria AO, a registered Trademark from DSM. INCA INCHI LIPACTIVE®, a registered Trademark from GREENTECH.
AlpaWash™ base is a unique PEG base that does not contain oleaginous components. It is completely water-washable and greaseless. AlpaWash™ contains natural extracts that have been thoroughly studied and can be beneficial in compounded medications prescribed for wound care.

Selection of the base to use in compounding for wound care depends on a careful assessment of a number of factors, including the following:

- Desire for a base that is easily removed by washing with water, since the wounds need to be cleaned very often;
- Desirability of occlusion of moisture from the skin (adherent base), maintaining a moist environment;
- Stability of the active pharmaceutical ingredients prescribed by the physician for inclusion in the base.

AlpaWash™ provides the best combination of the most desired attributes and brings a solution to healthcare providers for compounded products prescribed for wounds, burns, cuts, sores and ulcers.

Free of Parabens, Propylene Glycol, Water, Petrolatum and Lanolin

As per USP, chapter <3>, depending on the use of the dosage form (e.g., products that will be applied to open wounds or burned areas), sterility of the product should be demonstrated as appropriate. Alpaflor® Imperatoria AO, a registered Trademark from DSM.
**CopaSil™**

**FOR COMPOUNDING SCAR CARE PRODUCTS**

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**CopaSil™** is an anhydrous silicone base, primarily designed for use in scar care products. This unique formula was carefully developed to help sustain the moist environment around the skin required for wound healing, thus allowing the medication to improve the appearance of a scar.

This combination of these plant-derived ingredients creates a synergistic effect on the skin, imparting critical benefits in scar treatment:

- It keeps the stratum corneum in optimal hydration. It results into a less pigmented and softer scar;
- It provides the optimum conditions for allowing the active ingredient to reduce the inflammation process and help in the remodelling of a scar;
- It helps protect the skin from bacterial invasion;
- It helps soothe the itching and discomfort associated with scars.

**CopaSil™** is a functional base that can be used alone or in combination with several active ingredients (e.g.: Antibiotics, anti-inflammatory drugs, etc.) Its intrinsic and biomechanical properties render it ideal for compounding various dermatological products often prescribed for: scars in general, keloids, psoriasis, rosacea, stretch marks and wound healing.

**Free of Mineral Oil, Lanolin, Parabens, Dyes, Propylene Glycol and Water**

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**COPAIBA OIL**

A rainforest oil used by Amazonian population to help provide a shield against harmful organisms in traditional compounded treatments in wound healing

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**SWEET ALMOND OIL AND INCA INCHI LIPACTIVE®**

The richest oils in fatty acids with multifunctional applications in skin softening, smoothing and moisturization
Case Studies
Illustrating skin moisturization, soothing, reduction in the appearance of scarring using MEDISCA BASES without any active ingredients.

RESULTS | VOLUNTEER 1

Caucasian man had surgery on his left hand. After complete closure of the wound, he used CopaSil™ three times a day for 8 weeks on the new scar. No other product was used during this time.

After 1 week of usage, the scar is less red and less apparent.

Day 0  Week 1

RESULTS | VOLUNTEER 2

Caucasian man had surgery on his left arm. After complete closure of the wound, he used CopaSil™ three times a day for 8 weeks on the new scar. He did not use any other treatment or medication in complement to CopaSil™.

After 1 week of usage, the scar appears less red and more uniform.

Day 0  Week 1
Caucasian man suffered an injury on his leg thus leaving behind a very pronounced red scar. The scar was left untreated for over 3 months, at which point CopaSil™ was applied 3 times a day for 3 weeks.

After 3 weeks of usage, the scar is less apparent and significantly less red.

RESULTS | VOLUNTEER 3

Caucasian woman burnt her hand in the oven. After 3 weeks, the closed wound was still apparent and very red. CopaSil™ was applied 3 times a day for 8 weeks. No other product was used during this time.

After 2 weeks of usage, the scars appear less red and far less apparent.

RESULTS | VOLUNTEER 4
The following information is provided for your information only. No claims or representations are made with regard to the activity or lack thereof of any compounded medication, particularly the medications referenced here.

**PROPOLIS EXTRACT**

The Minimum Inhibitory Concentration (MIC) of Propolis extract and another natural extract were evaluated against *Staphylococcus aureus*. **Propolis extract can potentially seal the wound against external bacteria** with a MIC of only 1.25 mg/mL, while the other natural extract never showed effectiveness in this experiment.

<table>
<thead>
<tr>
<th>MIC (mg/mL)</th>
<th>Other Extract</th>
<th>Propolis Extract</th>
<th>Positive Control</th>
<th>Negative Control</th>
<th>Medium</th>
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<tbody>
<tr>
<td>5.0</td>
<td>2.5</td>
<td>1.25</td>
<td>0.625</td>
<td>0.312</td>
<td>0.156</td>
</tr>
<tr>
<td>2.5</td>
<td>1.25</td>
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<td>0.156</td>
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<td>1.25</td>
<td>0.625</td>
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<td>0.156</td>
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<tr>
<td>0.625</td>
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Minimum Inhibitory Concentration conducted in the microdilution test plate against ATCC 25923 *Staphylococcus aureus* at a concentration of $1.5 \times 10^3$ CFU/mL. Columns 1, 2, 3 correspond to the natural extract; 4, 5, 6 to Propolis extract; 7 to the positive control; 8 to the negative control; and 9 to the medium (sterility control).

**ALPAFLOR® IMPERATORIA AO**

Scratch area goes from **100% to 0.33% of initial area in 3 days incubation**, at 1mg/mL of Alpaflor® Imperatoria AO. In-vitro tests demonstrated its properties which provide an optimum environment for re-epithelialization to take place.
The following information is provided for your information only. No claims or representations are made with regard to the activity or lack thereof of any compounded medication, particularly the medications referenced here.

**COPAIBA OIL**

The Minimum Inhibitory Concentration (MIC) of Copaiba oil and another Amazonian oil were evaluated against *Staphylococcus aureus*. **Copaiba oil can potentially seal the wound against external bacteria** with a MIC of only 0.312 mg/mL, while the other Amazonian oil never showed effectiveness in this experiment.

*Staphylococcus aureus* ATCC 10^7 bacterial cells/M1. Minimum inhibitory concentration (MIC) of Copaiba Oil: 0.321mg/mL | *Bacterial Growth (Medium+Bacteria)*

**INCA INCHI LIPACTIVE®**

Immunochemistry has shown that after 24 hours of incubation, **Inca Inchi Lipactive® at 1% has decreased the keratinocyte differentiation in reconstructed epidermis**. In-vitro test demonstrated that it provides the optimum conditions to allow cellular regeneration and then the improvement of stratum corneum properties.
# Formulation Examples

## ALPAWASH™ FORMULAS

<table>
<thead>
<tr>
<th>Formula Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>F 006 358</td>
<td>Lidocaine Hydrochloride 2%, Metronidazole 2%, Misoprostol 0.0024% Topical Ointment (Suspension, 30g)</td>
</tr>
<tr>
<td>F 006 359</td>
<td>Itraconazole 1%, Levofloxacin 2%, Mupirocin 2% Topical Ointment (Suspension, 25g)</td>
</tr>
<tr>
<td>F 006 360</td>
<td>Fluticasone Propionate 1%, Itraconazole 2% Topical Ointment (Suspension, 30g)</td>
</tr>
<tr>
<td>F 006 361</td>
<td>Misoprostol 0.0024%, Nifedipine 2%, Phenytoin Sodium 5% Topical Ointment (Suspension, 60g)</td>
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<tr>
<td>F 006 362</td>
<td>Aloe Vera 0.2%, Ketoprofen 2%, Lidocaine 2%, Misoprostol 0.0024%, Phenytoin Sodium 2% Topical Ointment (Suspension, 60g)</td>
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<tr>
<td>F 006 363</td>
<td>Mupirocin 2%, Vancomycin 5% Topical Ointment (Suspension, 100g)</td>
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## COPASIL™ FORMULAS

<table>
<thead>
<tr>
<th>Formula Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>F 006 352</td>
<td>Ascorbic Acid 2%, Caffeine 1%, Epigallocatechin Gallate 1%, Methylsulfonylmethane 5% Topical Gel (Suspension, 30g)</td>
</tr>
<tr>
<td>F 006 353</td>
<td>Betamethasone Valerate 0.12%, Tranilast 1% Topical Gel (Suspension, 100g)</td>
</tr>
<tr>
<td>F 006 354</td>
<td>Ascorbic Acid 2%, Epigallocatechin Gallate 1%, Methylsulfonylmethane 2%, Tranilast 1%, Topical Gel (Suspension, 30g)</td>
</tr>
<tr>
<td>F 006 355</td>
<td>Fluticasone Propionate 1%, Levocetirizine Hydrochloride 2%, Pentoxifylline 0.5%, Tranilast 1% Topical Gel (Suspension, 100g)</td>
</tr>
</tbody>
</table>

### GET A FREE CUSTOMIZED FORMULA*
When you purchase AlpaWash™ or CopaSil™

*Formula based on physician prescription
References

1. HORI, J.I.; ZAMBONI, D.S.; CARRÃO, D.B.; GOLDMAN, G.H.; BERRETA, A.A. The Inhibition of Inflammasone by Brazilian Propolis (EPP-AF). Evidence-Based Complementary and Alternative Medicine, 2013.


From the peaks of the Swiss Alps to the depths of the Amazon River, MEDISCA presents two ground-breaking new products, AlpaWash™ and CopaSil™. Through advanced research and development, these two unique formulations play a distinct role within each stage of healing and embody a natural and scientifically sound solution for compounding in wound care.