

Lactobio



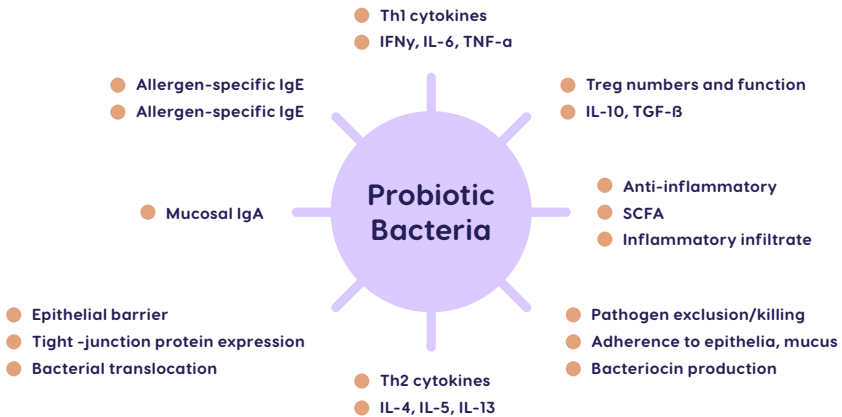
Effective,
Microbiome-Based
Solutions From
Nature

The Power of Probiotics

Lactobio offers a series of effective, probiotic products. They're natural, organic, free of preservatives and perfumes – gentle for both skin and planet.

Lactobio is a world leading probiotic and microbiome research company located in Copenhagen, Denmark. Dedicated to research and development of new microbial solutions, our discovery projects currently span human health and skincare.

Lactobio has isolated more than 1500 new lactic acid bacteria, all with different genotype, phenotype, and metabolite profile. We have selected four very effective strains by targeted screening and state of the art technologies for their functionalities against e.g., Cutibacterium acnes, Candida spp. or Staphylococcus aureus CC1.



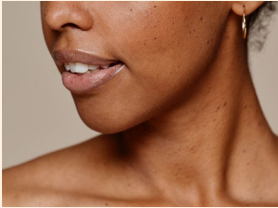
Lactobio's probiotic skincare products are developed, manufactured, and commercialized in Denmark by Lactobio A/S under ISO 22716 certification for Cosmetics Good Manufacturing Practices (Regulation EC No. 1223/2009). Lactobio's skincare products are protected by pending patent applications.



Probiotic strains are known for having multiple mechanisms of actions shown in figure above.

Solutions for Every Need

Natural, organic, and effective



Daily Skincare

Day Care Oil
Serum for Dry Skin
Healthy Aging Moisture Boost
Healthy Aging Antioxidant Oil



Blemish and Acne-Prone Skin

Serum for Acne-Prone Skin
Oil for Acne-Prone Skin



Facial Redness

Oil for Redness



Atopic, Dry and Itchy Skin

Serum for Atopic Skin



Intimate Care

Serum for Intimate Care

Daily Skincare



Day Care Oil and Serum for Dry Skin

Suitable for everyday use for all skin types, Day Care Oil and Day Care Serum are designed to balance the skin microbiome and improve skin health, resulting in calmer, softer and stronger skin.

- **Improves skin health and appearance**
- **Improves hydration**
- **Balances skin tone and complexion**
- **Strengthens the skin barrier function and reduces the appearance of wrinkles**
- **Suitable for everyday use and all skin types**

Probiotics are actual 'live' bacteria, clinically-proven to calm and smooth irritated skin, while maintaining the balance of healthy bacteria that help ward off infections.



Healthy Aging Moisture Boost and Healthy Aging Antioxidant Oil

The deeply nourishing Healthy Aging Moisture Boost cream is clinically proven to visibly reduce wrinkles, reduce age spots, and create a more radiant complexion. The Healthy Aging Antioxidant Oil smoothes the skin, prevents damage caused by UV irradiation, has antioxidant properties and improves hydration.

- **Reduces the appearance of wrinkles**
- **Reduces age spots**
- **Increases skin radiance**
- **Antioxidant**
- **Suitable for everyday use and all skin types**
- **Probiotic, natural, vegan, and organic**

Blemish and Acne-prone Skin



Serum for Acne-prone Skin was applied 1-2 times daily. After 3 days of use, blemishes, inflammation and skin irritation were visibly reduced. It can take up to 4 weeks before you see results.

Oil and Serum For Acne-Prone Skin

Suitable for face and body, and made for breakout-prone skin, our Oil and Serum for Acne-Prone skin are designed to balance the natural skin bacteria without irritating or drying out the skin, or compromising on skin health.

- **Improves skin health and appearance**
- **Balances skin tone and complexion**
- **Rebalances the ecosystem of microorganisms**
- **Reduces biofilm formation and growth of *C. acnes***
- **Co-aggregation specificity to pathogenic *C. acnes***
- **Probiotic, natural, vegan, and organic**

Patient reported outcome

Participants who experienced a significant reduction of pimples

71%

Day 28

Reduction of pimples

- Serum for Acne-Prone Skin is tested in dermo-clinical trials.
- The trial was conducted as a double-blinded, placebo-controlled study of 40 people with impure and acne-prone skin.



Oil for Redness

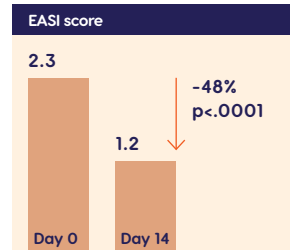
By improving hydration and reducing rashes, our Oil for Redness is designed to balance the skin microbiome, resulting in a soothing effect on skin prone to irritation, itchiness and inflammation.

- **Rebalances the ecosystem of microorganisms**
- **Soothing effect on irritated and itchy skin**
- **Improves hydration**
- **Improves skin health and appearance**
- **Suitable for face and body**
- **Probiotic, natural, vegan, and organic**

Facial Redness is a common, chronic skin condition, characterized by facial flushing and persistent redness.

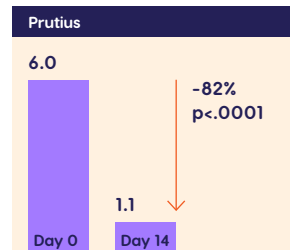
Reasons such as inflammation, different bacteria, and the mite *Demodex folliculorum* have all been associated with the disorder, but the actual role of the different microorganisms are not well understood.

Atopic, Dry and Itchy skin



Anti-inflammatory effect

- A significant decrease of EASI score of 48% average on D14
- Improvement was observed in 67% of subjects.



Soothing effect

- A significant decrease of pruritus of 82% on average on D14
- Improvement of comfort was observed in 96% of subjects

Serum for Atopic Skin

Atopic, dry, irritated, and itchy skin can appear when the skin microbiome is out of balance, allowing pathogenic bacteria to thrive on the skin. Our Serum for Atopic Skin contains probiotics that even out the balance and provide a soothing effect, clinically proven to reduce irritation, dryness and itchiness.

- **Rebalances the ecosystem of microorganisms**
- **Soothing effect on rashes, irritated and itchy skin**
- **Improves hydration**
- **Improves skin health and appearance**
- **Suitable for face and body**
- **Tested in dermo-clinical trials**

Suitable for face and body, Serum for Atopic Skin is designed to balance the skin microbiome with a soothing effect on skin prone to irritation, itchiness and dryness.



Serum for Intimate Care

Suitable for daily use, Lactobio's Serum for Intimate Care is designed to restore the microbiome of the intimate area as well as counteract and protect against irritation, dryness, itching, burning, odour, and increased levels of discharge.

- **Reduces symptoms of imbalance in the intimate area**
- **Suitable for daily care and balancing of the microbiome**
- **Probiotic, natural, vegan, and organic**
- **Free of unwanted chemicals**

An estimated one in three women in industrialized countries suffer from an imbalance in the vaginal microbiome. It is not known exactly why so many women are struggling with imbalances in this sensitive ecosystem of microorganisms, but one explanation might be the use of wrong or harmful intimate care products, which, although labelled as 'intimate care', washes away essential lactic acid bacteria and ultimately alters the pH-value of the intimate area.

The probiotic lactic acid bacteria in the product are microscopic, but have fantastic properties that can help the intimate microbiome return to balance, by e.g. outcompeting problematic microorganisms (pathogens), by stimulating the immune system and controlling the pH-value.

Safety & Toxicity

Allergens

The products have no allergenic potential. For sensitive and irritated skin, we recommended testing the product by applying a small portion to the inside skin of the forearm. If no irritation or inflammation occurs within 24 hours, the product should be safe for use. If a customer has known allergies to any of the vegetable oils, we recommend they consult a dermatologist before use.

Tolerance

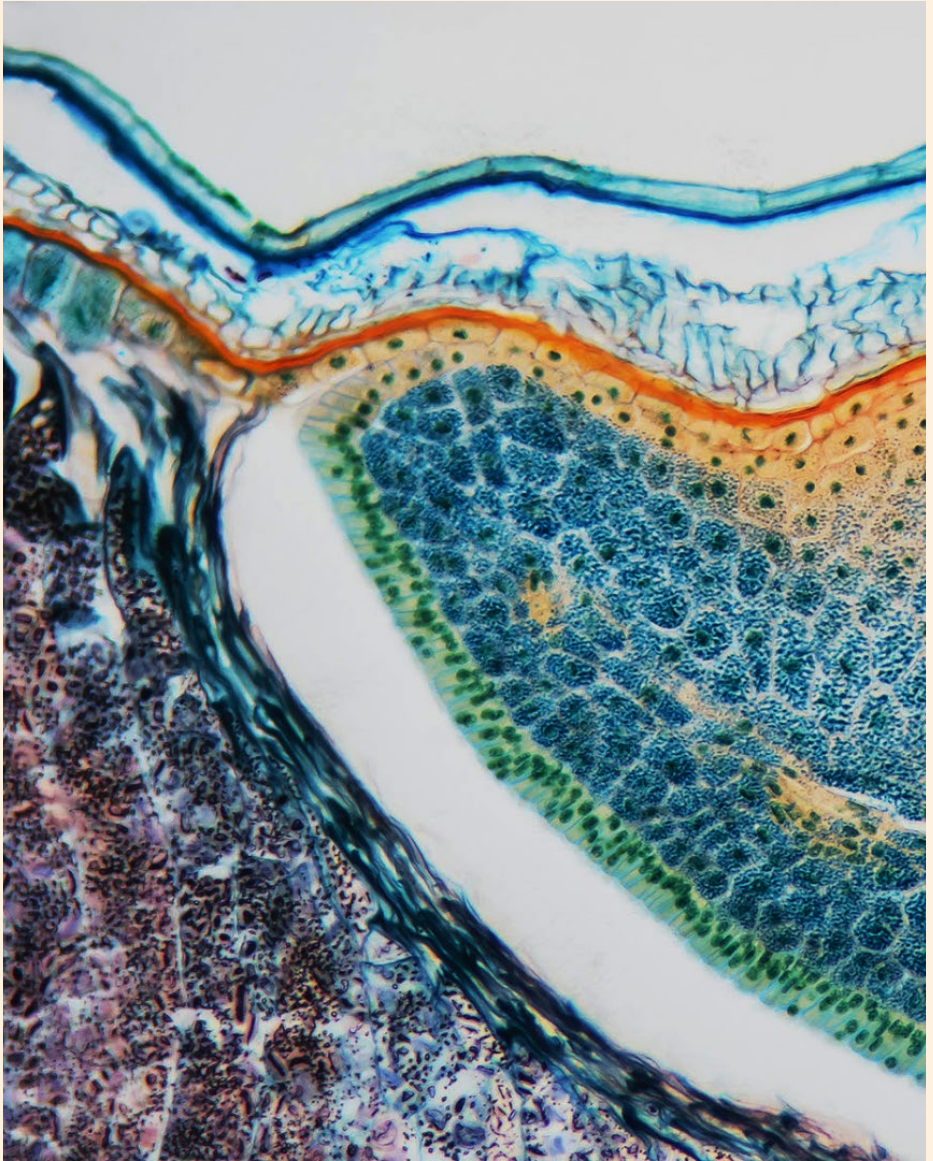
Skin: No reported skin incompatibilities for any of the used ingredients. Reg. skin irritation, the products are classified as harmless. Eyes: The products are safe to apply in the eye area region. Classified as non-irritant.

Analysis

In compliance with EU regulation, the products are subject to extensive analysis and control at raw material level. Efficacy of *Lactobacillus plantarum* is determined before release of product. Activity against *Staphylococcus aureus* is followed using a spot-on lawn assay.

Lactiplantibacillus plantarum

L. plantarum has a long tradition for being used in fermented food productions and as a probiotic in food supplements. *L. plantarum* is listed in EU as Qualified Presumption of Safety (QPS) by the European Food Safety Authority thus safe for oral consumption.



Contact & Additional Information



Visit www.lactobio.com for the latest news and in-depth articles on our work.

For inquiries, please reach out to:

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Lactobio's products are developed and tested as cosmetic skin care products only. The products are not intended to diagnose, cure, mitigate, prevent, or treat any disease or health condition, nor are they to be considered a medical device, used for oral consumption or as active ingredients for pharmaceutical use.