# Introduction

Dakota Biotech, LLC is a skin care company focused on creating a healthy microbiome for the skin. Using advanced science and the latest in biotechnologies, we are committed to harnessing the power of nature to create skin care products that are naturally healthy, earth-friendly and inspire beautiful results.

Understanding the importance of probiotics to skin health and wellness, our scientists have developed LaFlore® Live Probiotic Skincare, a Dakota Biotech company utilizing a patented technology which perfects the delicate process of infusing our products with live probiotics that remain active and effective over time without the need for refrigeration. This synergistic blend of components, enhanced by supportive authentic ingredients, offers an exceptionally effective delivery system.

# **OUR UNIQUE TIME-RELEASE FORMULATION**

Our scientists have perfected the delicate process of suspending live probiotics in a dormant state that are touch-activated and do not require refrigeration.

Time released formulations, encapsulated in a proprietary matrix, deliver nutrients around the clock to support the skin's microbiome.

As the skin's microbiome becomes healthier and the skin's physiological struggle to defend itself is resolved, newly bioavailable energy can be redirected to the restoration and regeneration of the skin.

Our formulas using prebiotics, live probiotics and postbiotics act as biosensors, helping the skin to adapt to external stressors and improving barrier function.

# **HOW IS LAFLORE® PROBIOTIC SKIN CARE DIFFERENT?**

The combination of our patented topical <u>live</u> probiotic technology with a synergy of clinical strength active ingredients, utilizing a natural delivery system and clinically proven results, you have LaFlore® Live Probiotic Skin Care. This innovative skincare does not require refrigeration and is toxin-free, bleach-free, anti-pollution, multifunctional, gluten free, paraben free, allergen-free and safe for the skin's microbiome. The LaFlore® skin care line helps to protect the skin from harsh environmental toxins and those found in the vast majority of skin care products currently on the market. These toxins cause confusion within our skin flora. LaFlore® brings skin flora back into balance using live probiotics at clinical strengths in conjunction with prebiotics and postbiotics.

Clean manufacturing processes dictate that each ingredient undergo a detailed toxicological evaluation ensuring natural purity; this rigorous testing allows for use of optimal percentages in the products. Not only are the ingredients healthy for the consumer, they protect the planet in an inherently authentic way. All ingredients are plant-based, organic, ECOCERT (planet friendly), free of toxins and allergens, paraben-free, PEG-free, DEA-free and gluten-free. Most important, our probiotic technology works, providing sustainable benefits that include skin renewal and improved hydration, elasticity and tone. LaFlore's dedication to authenticity occurs at every level of development and production, further differentiating it from the competition. And finally, unlike most other skincare lines, LaFlore® spares no expense in using only the highest quality ingredients available – sourced with the utmost in integrity and handled with great care to ensure the best possible results.

### WHY PROBIOTICS FOR THE SKIN?

It has been assessed by medical professionals that probiotics are advantageous in the treatment of skin disorders and play an important role in skin health, such as reconstructing atopic dermatitis, promoting the healing of scars and burns, rejuvenating the skin and strengthening the skin's immune defense system. Studies also show probiotics are beneficial in alleviating symptoms of acne and eczema.

At Dakota Biotech, we have seen results on the skin by using a blend of plant-based ingredients and a combination of prebiotics, probiotics and postbiotics to deliver high performance skincare, helping skin improve its immunity and therefore fight off pathogens, viruses and bad bacteria, while delivering the vitamins and minerals skin needs to look it's best.

# WHAT IS A SKIN MICROBIOME?

Just like your gut, your skin is home to a community of billions of friendly living microorganisms, also known as skin flora. This community is called skin microbiome. Think of it as an invisible eco-system that lives on the skin that's working to help keep it healthy and in good condition.

### WHAT IS SKIN FLORA?

The term skin flora refers to microorganisms which reside on the skin. (Good bacteria that protects your skin)

# PROBIOTICS AND THE SKIN:

Topically applied probiotics calm skin disruption, caused by stress and effects of pollution while activating collagen and elastin production. Probiotics also effectively defend skin against UVA damage by activating the skin's natural process to heal itself while neutralizing bad bacteria.

### WHAT ARE PREBIOTICS?

Prebiotics feed the probiotics. In order for probiotics to effectively support the skin microbiome, a supply of energy is needed and must be available. Prebiotics is the source of energy or food needed for the probiotics.

# WHAT ARE PROBIOTICS? (these are the only LIVE PROBIOTICS!)

Probiotics are <u>living microorganisms</u>. Live, active probiotics provides a boost of good bacteria to the skin microbiome that neutralizes the harmful bacteria. Live probiotics are found in LaFlore's Probiotic Concentrated Serum.

### WHAT ARE POSTBIOTICS?

Postbiotics are defined as substances produced by Probiotics (living microorganisms) that have nutritional, metabolic and immune health benefits, also called metabolites. Postbiotics are produced from feeding Prebiotics to Probiotics.

# WHAT IS A LYSATE?

Lysis is the breaking down of the membrane of a cell and extracting the pieces of the cell. A fluid containing the pieces of the cells is called a lysate.

# WHAT IS THE DIFFERENCE BETWEEN A LYSATE AND LIVE PROBIOTICS?

Let's keep it simple. Lysates are not alive, they are dead. (A fluid containing the contents of lysed cells is called lysates.). Probiotics are alive, Living microorganisms.

Prebiotics (Food for probiotics)

**Probiotics** (Living microorganisms)

Postbiotics
(Metabolites)



# LaFlore™ Probiotic Serum Concentrate

### What It Is

Treat and recover with this aloe-based, waterless serum concentrate that's infused with prebiotics, multiple live probiotics, and postbiotics. Using a skin nourishing blend of plant oils and protective antioxidants, LaFlore™ Serum Concentrate firms and calms, while boosting the skin's natural defense system.

### **Skin Benefits**

Crafted to fortify skin's natural vitality, LaFlore<sup>TM'</sup>s serum concentrate is infused with the brand's patent pending cryo-like, touch-activated probiotic blend designed to awaken the skin and increase its holistic balance. This custom combination enhances beneficial skin flora to help strengthen skin and support optimal barrier function while brightening and evening skin tone. Postbiotics are created 'in-situ' during the metabolic process carried out by live and active probiotics on the skin.

# **Key Ingredients**

Aloe – Recognized for centuries for its therapeutic properties, aloe is rich in skin nourishing vital bioactives and minerals including: calcium, magnesium, selenium; Vitamins A, B1, B2, B3, B6, C; folic acid and more.

Hansenula/Kloeckera/Lactococcuss/Leuconostoc/ Pediococcus/Saccharomyces/ Fig/ Lemon Ferment – Ingredients in this proprietary blend create a balance of good flora while improving the skin's immune system. Postbiotics produced during metabolic function help to reduce inflammation and increase cell renewal, therefore increasing elastin and collagen production.

Pichia/Resveratrol Ferment Lysate and Lactococcus Ferment Lysate – This intensely bio-friendly probiotic helps to firm, calm and brighten the skin.

St. John's Wort Oil – Sourced directly from LaFlore  $^{\text{TM'}}$ s own organic growers and harvest-day shipped to preserve photoactivity, this restorative oil works to calm inflamed and irritated skin.

Sea Buckthorn Oil – Containing high levels of beta-carotene, this multi-beneficial plant oil helps to correct breakouts, while smoothing fine lines and wrinkles.

#### How to Use

Apply Probiotic Serum Concentrate to face, neck and décolleté in the evening, gently massaging serum into skin with fingertips using a circular motion. Can also be used as an effective spot treatment for blemishes or to help reduce redness and balance skin tone.

### Free From

Committed to offering consumers a clean, vegan, gluten-free and cruelty-free skincare line that they can trust, LaFlore™ products are crafted without the use of: parabens, sulfates, toxins, silicone, irritants, dimethicones, artificial colors, artificial fragrances, phthalates, petrolatum, silicones, glycols or mineral oils.

Allergy-friendly and sensitive skin safe, LaFlore  $^{\text{TM}}$  formulates products without the use of any known allergens or skin irritants. Products from LaFlore  $^{\text{TM}}$  are cytology and dermatology tested.





# LaFlore™ Probiotic Daily Defense Moisturizer

#### What It Is

Hydrate and protect skin with this aloe-based, waterless moisturizer that's packed with active probiotics, botanical humectants, powerful antioxidants, hyaluronic acid and vitamin D3. Pycnogenol <sup>®</sup> a super molecule which gives the formula its pale pink hue, helps support the skin's barrier function and reduce signs of premature aging brought on by environmental aggressors and pollution, while priming skin for a flawless makeup application.

# **Skin Benefits**

Infused with one of LaFlore  $^{\text{TM}'}$ s signature probiotic blends, this moisturizer is formulated to protect skin from the premature signs of aging. Skin healthy ingredients work to calm and sooth irritation while visibly firming and toning skin.

# **Key Ingredients**

Aloe – Recognized for centuries for its therapeutic properties, aloe is rich in skin nourishing vital bioactives and minerals including: calcium, magnesium, selenium; Vitamins A, B1, B2, B3, B6, C; folic acid and more.

Pycnogenol ® – A potent, anti-inflammatory and antimicrobial antioxidant that's clinically proven to lower scar formation and treat acne while increasing collagen and elastin production.

Vitamin D3 – Naturally antimicrobial, this vitamin fortifies the skin's barrier function, while smoothing and firming the skin, neutralizing the effects of pollutants and photo-aging.

Bifida Ferment Lysate and Saccharomyces Lysate Extract – This powerful probiotic blend neutralizes surface bacteria and reduces redness while helping to support collagen and elastin production.

# **How to Use**

Apply the amount needed to achieve desired feel on face, neck and décolleté, two to three pumps suggested. Ideal for use in the morning and evening.

May be re-applied throughout the day as needed.

To deliver a boost of probiotics, the Daily Defense Moisturizer can be layered under sunscreen or added to any other moisturizer in a 1:1 ratio.

### **Free From**

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# LaFlore<sup>TM</sup> Probiotic Cleanser

#### What It Is

Recharge and reinvigorate skin with this luxurious, enzymatic cleanser, infused with the skin nourishing power of probiotics. Designed to work intuitively to balance all skin types, LaFlore™ Probiotic Cleanser washes away makeup and pollutants, boosts hydration levels and resets the skin's microbiome for optimum recovery and restoration. Formulated with a variety of skin-healthy ingredients, LaFlore™ Probiotic Cleanser imparts a cooling sensation that leaves skin feeling calm and refreshed with each use.

## **Skin Benefits**

Infused with one of LaFlore<sup>TM</sup>'s signature probiotic and essential oil blends this formula works to increase skin's hydration while helping balance skin tone and decrease redness.

# **Key Ingredients**

Pineapple Extract – A natural enzyme that gently exfoliates the skin.

Perilla Seed Oil – Known for its therapeutic effects, this refreshing botanical contains Lutelin, Terpens, Phenols and antimicrobial compounds that are shown to support healthy circulation and help calm skin.

Bifida Ferment Lysate and Menthyl Lactate – Formulated to help boost collagen and elastin production, this blend works to cool and invigorate the skin.

#### How to Use

For dry/sensitive skin:

Apply a dime size amount of cleanser to damp skin and gently massage into the face, neck and décolleté. Rinse using warm water.

For normal/combination/oily skin:

Apply a dime size amount of cleanser to dry skin and gently massage into the face, neck and décolleté. Rinse using warm water.

To use as a mask:

Dampen skin before applying, leave on for up to 90 seconds and rinse with warm water.

# **Free From**

Committed to offering consumers a clean, vegan, gluten-free and cruelty-free skincare line that they can trust,  $LaFlore^{TM}$  products are crafted without the use of: parabens, sulfates, toxins, silicone, irritants, dimethicones, artificial colors, artificial fragrances, phthalates, petrolatum, silicones, glycols or mineral oils.

Allergy-friendly and sensitive skin safe, LaFlore<sup>TM</sup> formulates products without the use of any known allergens or skin irritants. Products from LaFlore<sup>TM</sup> are cytology and dermatology tested.

**Availability** 

www.LaFlore.com

