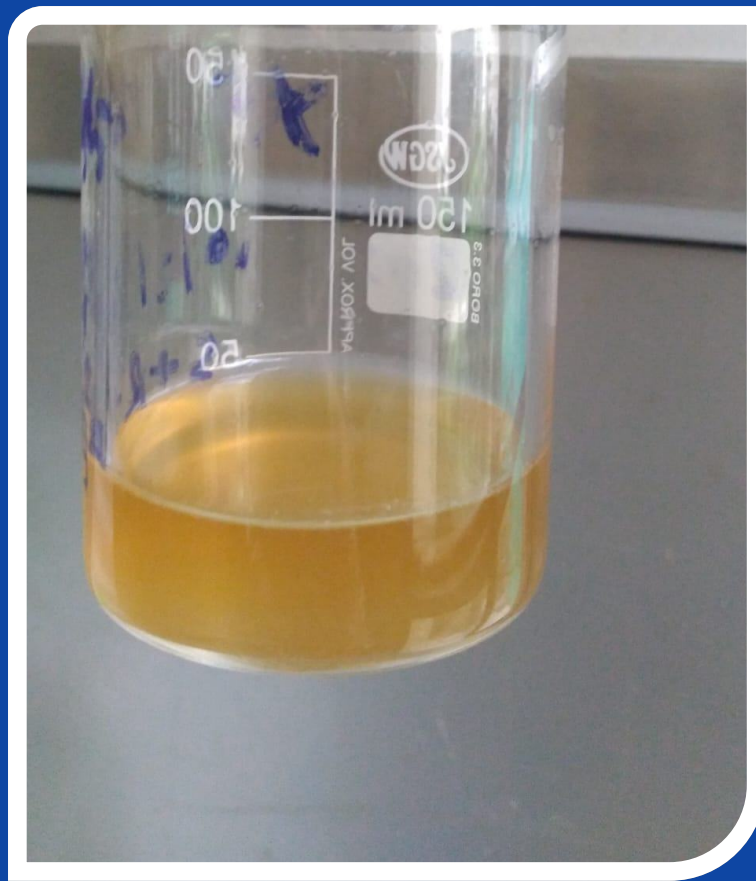


HEALBIOM™- GMT

A Postbiotic Ferment Lysate Complex



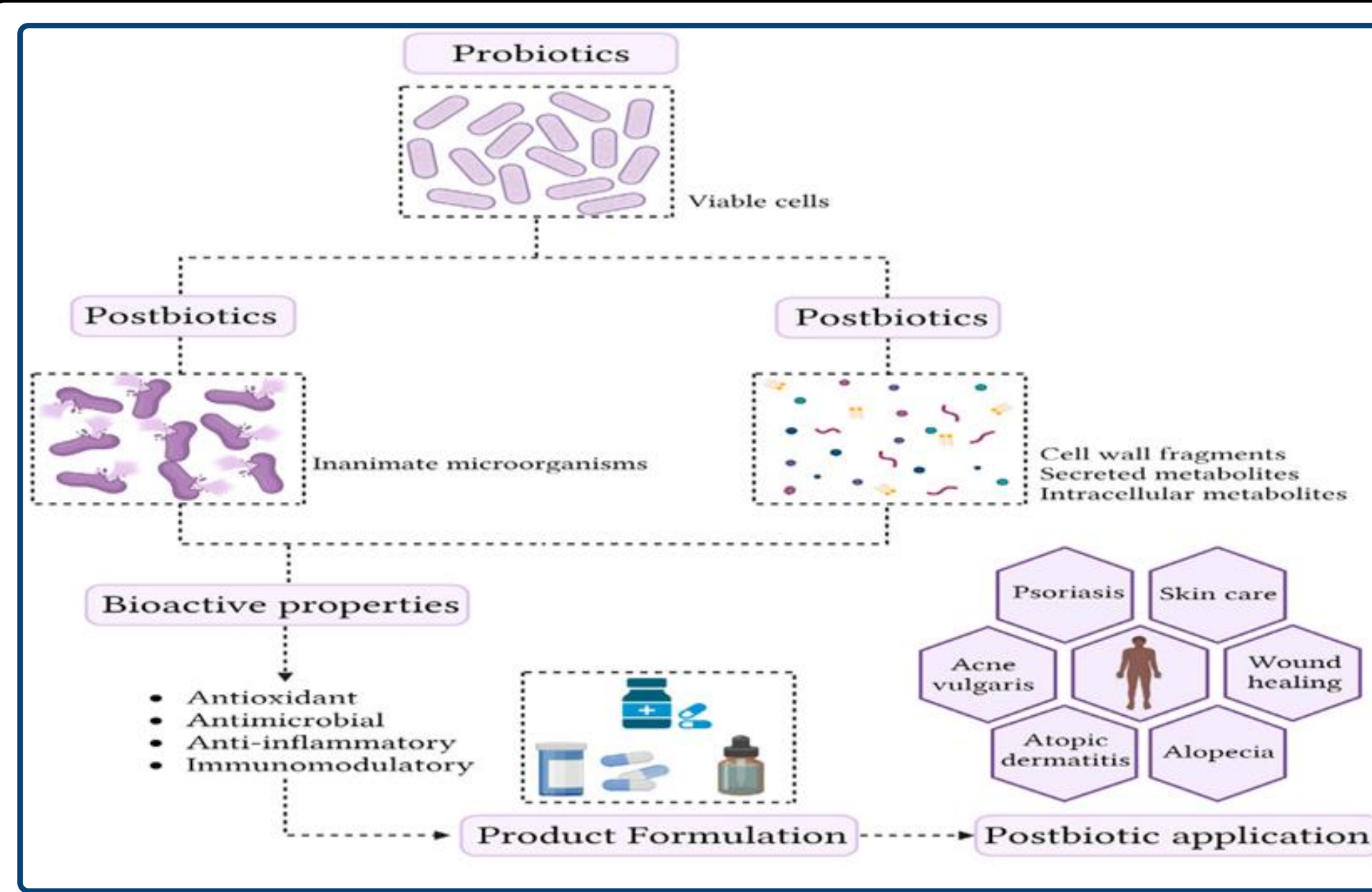
Recommended Dosage:
1%-100% based on the application. Add product to the formulation at Temperature less than 50 DegC.

Note:

Is produced from In-House Lab grown probiotic culture where based on NABL Accredited external lab results the same has Bifidobacterium Cell count of: 7-8*10⁹

- Anti-aging and repairing
- Boosts cell proliferation for radiant and youthful skin
- Skin Brightening and even skin toning

- Skin recovery by calming down UV-induced immune suppression
- Skin Brightening and even skin toning
- Selenium in Postbiotic Complex prevents premature wrinkles by protecting skin from free radicals and UV damage.



These Postbiotic Ferment Lysate Complex are the metabolic byproducts of good bacteria, (Bifidobacterium+ Lactobacillus+ Yeast) essential in maintaining the microbiome balance, fighting against the bad bacteria, and addressing a number of skin complaints. Postbiotic Complex, protects and nourishes your skin in a variety of ways

- Helps maintain the skin barrier function while strengthening your skin's immune system
- Soothes skin inflammation aiding with redness and irritation
- Smooths the skin texture
- Some postbiotics can stimulate collagen production, helping to boost firmness, and elasticity.
- Helps skin retain moisture for optimal hydration and reduces the appearance of fine lines and wrinkles.
- Protects against external elements like pollution, blue light, stress

Analytical Data (Product Specification)

CHARACTERISTICS	VALUE
Appearance	Yellowish-White, turbid liquid
Solid Content	5 - 7 %
Lactic Acid	0.7-0.9 %
Vitamin C Content	0.8-1.0 mg/100g
Selenium Content	7-8 mcg/100g

The skin is the body's largest organ and just beneath that surface is a delicate ecosystem of microorganisms (including both good and bad bacteria) that forms the microbiome.

This invisible community plays a vital role in maintaining the skin's barrier function, a natural defense system that keeps harmful elements out while retaining moisture and essential nutrients. The key to a healthy complexion is a well-balanced skin microbiome with both good and bad bacteria.

HEALBIOM™-GMT-Postbiotic Ferment Lysate Complex is a complex blend of 3 Microbiome Lysate i.e = Bifidobacterium + Lactobacillus + Yeast. This lysate complex is One With Plasma/Cell Membrane with Extracts of Cell like Cell Proteins/ Lipids / Organelles etc, Short-chain fatty acids, bacteriocins, and organic acids are some examples of postbiotic Extracts. These compounds exhibit antimicrobial, immunomodulatory, antioxidant, and anti-inflammatory activities

G-LACTBIOM™- GFF

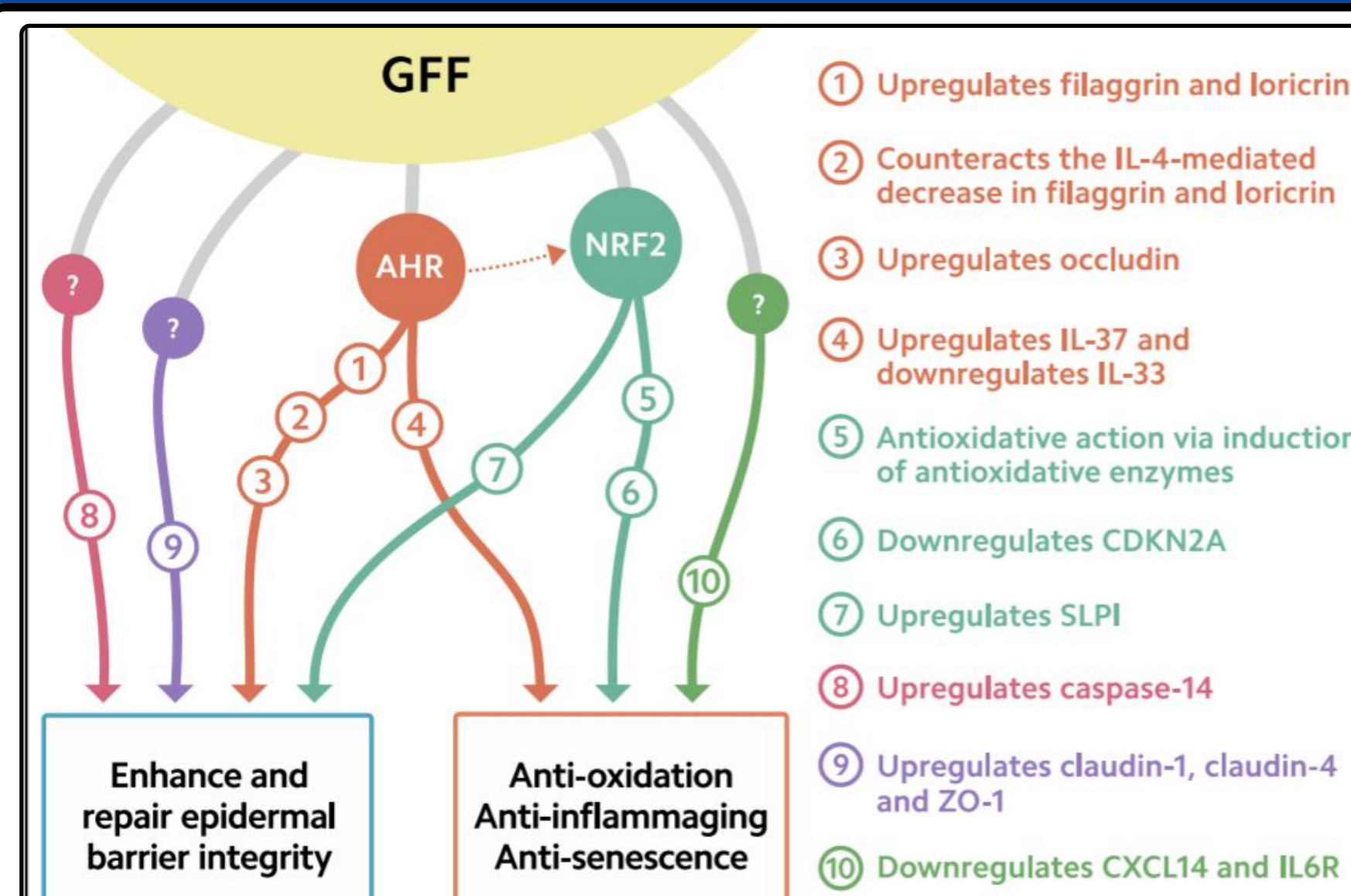
Galactomyces Ferment Filtrate



Recommended Dosage:
1%-100% based on the application. Add product to the formulation at Temperature less than 50 DegC.

Note:

Produced from In-House Lab grown probiotic culture where based on NABL Accredited external lab results the same has Microbiome count of: 8-10*10¹⁰ CFU/GM.



This Figure Represents Biological response induced in keratinocytes treated with GFF. GFF: Galactomyces ferment filtrate. AHR: Aryl hydrocarbon receptor. NRF2: Nuclear factor erythroid 2-related factor 2. CDKN2A: cyclin-dependent kinase inhibitor 2A. CXCL14: chemokine (C-X-C motif) ligand 14. IL6R: IL-6 receptor. SLPI: secretory leukocyte peptidase inhibitor

This clear, water-like liquid is loaded with good-for-the-skin stuff and is rich in vitamins, amino acids, minerals and organic acids. . Postbiotic Complex, protects and nourishes your skin in a variety of ways:

- Has antioxidant effects and increases hyaluronan production in epidermal cells. And more hyaluronic acid in the skin means better hydrated, plumper, healthier skin.Helps maintain the skin barrier function while strengthening your skin's immune system
- might be able to help with skin pigmentation, hence might be able to help with a healthy skin barrier.
- Soothes skin inflammation aiding with redness and irritation, helps in maintaining skin texture.
- String Antioxidant property Protects against external elements like pollution, blue light, stress

Analytical Data (Product Specification)

CHARACTERISTICS	VALUE
Appearance	Yellowish-White, turbid liquid
Solid Content	5 - 7 %
Lactic Acid	0.7-0.9 %
Vitamin C Content	0.8-1.0 mg/100g
Selenium Content	7-8 mcg/100g

Skincare products play a crucial role in preventing the dry skin induced by various causes. Certain ingredients can help to improve the efficacy of skincare products. Galactomyces ferment filtrate (GFF) is such a functional ingredient. Its use originated from the empirical observation that the hands of sake brewers who deal with yeast fermentation retain a beautiful and youthful appearance. Consequently, skincare products based on GFF are widely used throughout the world.

G-LACTBIOM™-GFF (Galactomyces Ferment Filtrate), is a functional ingredient which is produced by fermentation process of Rice using Yeast which is then filtered & the Yeast cells are further lysed & stabilized. Recent studies have demonstrated that GFF activates an aryl hydrocarbon receptor (AHR) and upregulates the expression of filaggrin, a pivotal endogenous source of natural moisturizing factors, in epidermal keratinocytes. It also activates nuclear factor erythroid-2-related factor 2 (NRF2), the antioxidative master transcription factor, and exhibits potent antioxidative activity against oxidative stress induced by ultraviolet irradiation and proinflammatory cytokines, which also accelerate inflammaging.