

Product Name: Lactolyzum™
INCI Name: Lactobacillus Ferment Lysate.
CAS No.:92128-79-5

INTRODUCTION

Postbiotic lysates of Lactobacillus Ferment Lysate that mainly contains bacteria metabolism products, cytoplasm fractions, and cell wall components. Lactobacillus Ferment helps create a healthy, thriving microbiome for your skin. That means your skin will have a significant amount of friendly bacteria and bacteria lysates that have protective and healing abilities. *Lactobacillus ferment* has been shown to protect skin by slowing down harmful bacteria growth. It also promotes new cell growth, which means your skin can heal faster from wounds and blemishes.

Lactobacillus Ferment Lysate is used in skincare products. It's one of the ingredients in used in Skin Conditioning. This solution was designed to soothe uncomfortable skin problems like redness, dryness, and acne, Lactobacillus Ferment has the ability to heal and condition skin. It's also an ingredient in *Scalp Solution*. Itchy, flaky scalp is a common skin issue, and this lysate can help calm itch and irritation.

Lactobacillus ferment lysate keeps the microbiome in balance while increasing skin tone and elasticity, minimizing wrinkles, providing deep hydration and increasing cell turnover. It also helps to reduce redness and irritation. It soothes UV-induced damage protecting against photoaging and improving barrier.

Balances and protects skin microbiota against stress.

Enhances collagen synthesis, reduces inflammation, and immunological reactions.

Skin brightening through tyrosinase inhibition and antioxidant effects.

Enhances skin barrier properties.

Lactobacillus Ferment Lysate



Suitable for facial masks, creams, essences, and eye creams.

Improves scalp condition and reduces dryness.

Possesses wound healing and anti-inflammatory properties.

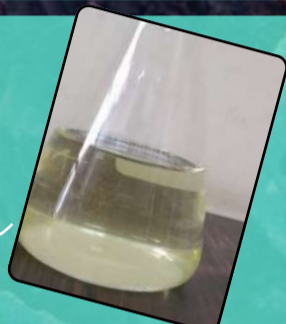
Provides anti-pollution benefits.

PRODUCT VARIANTS

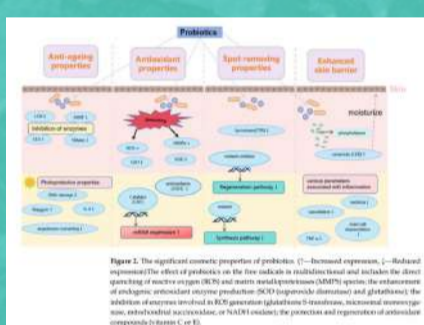
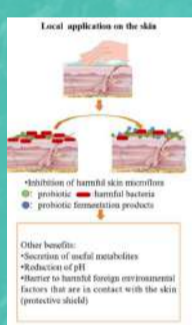


Lactolyzum™-α (With Plasma /Cell Membrane)

Lactolyzum™ (After Micro-filtration, Without Plasma /Cell Membrane)



MECHANISM OF ACTION



Reference Article:

Molecules 2023, 28, 6765. <https://doi.org/10.3390/molecules28196765>

Note:

LACTOLYZUM™ is produced from In-House Lab grown probiotic culture, where based on NABL Accredited external lab results, the same has Lactobacillus Cell count of: $7-8 \times 10^6$ cfu/gm

PRODUCT SPECIFICATIONS

APPEARANCE

Yellowish-White, turbid liquid

SOLUBILITY

Water Soluble

ODOUR

Characteristic

pH VALUE

4-6

SOLID CONTENT

2.5 – 3.5 %

LACTIC ACID

0.7-0.9 %

VITAMIN-C CONTENT

0.8-1.0 mg/100g

SELENIUM CONTENT

7-8 mcg/100g

TOTAL AEROBIC MICROBIAL COUNT (TAMC)

< 1 cfu/ml

TOTAL COMBINED YEAST & MOULD COUNT (TYMC)

< 1 cfu/ml

Recommended Dosage:
1%-100% based on application

Storage:
Cool, dark, ventilated place, sealed container, 15-20°C, avoid sunlight

Important Note:
When standing for a long time, LACTOLYZUM™ may appear precipitate or stratification, and it will resume upon stirring or shaking evenly.

Shelf Life:
24 months from manufacturing date.

Package:
5kg recyclable Aluminum cans.

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