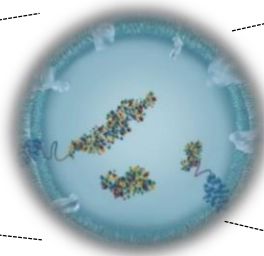
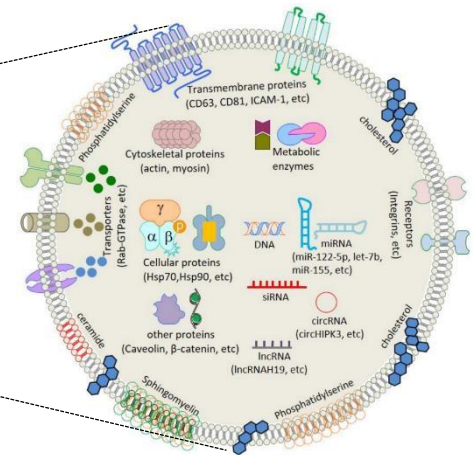




Lactic acid bacteria derived from the skin of individuals in their 20s



LactoBiome-Exo



LactoBiome-Exo

INCI Name : Lactobacillus Ferment, Butylene Glycol, 1,2-Hexanediol

Effectiveness :

(Anti-inflammatory)

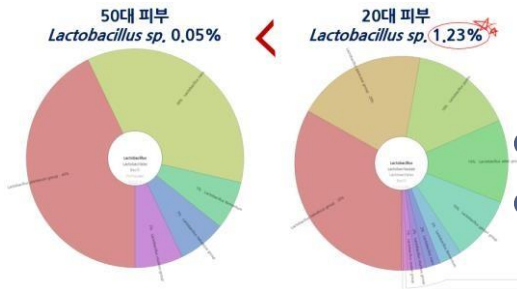
-Exosomes contain microRNAs and cytokines that significantly reduce inflammation, making them effective in treating acne and other inflammatory skin conditions

(Skin Regeneration)

-Exosomes are rich in growth factors, peptides, amino acids, coenzymes, vitamins, and minerals. These components promote skin regeneration by stimulating the production of collagen and elastin, improving skin elasticity, and repairing damaged skin cells

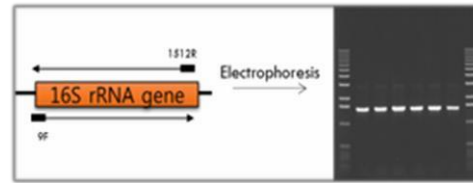


Check 1. Lactic acid bacteria found in the skin of individuals in their 20s



Isolation and Identification of Special Lactic Acid Bacteria Found Only in the Skin of Individuals in Their 20s, Not in Their 50s.

Check 2. '*Lactobacillus sakei* Young Biome 1'



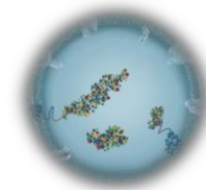
Identification of *Lactobacillus sp.* strain through 16s rDNA sequencing analysis

Check 3. Proprietary Lactic Acid Bacteria Exosome Isolation Technology

Production: Maximization of Exosome Secretion
Separation: High Yield & High Purity Exosome

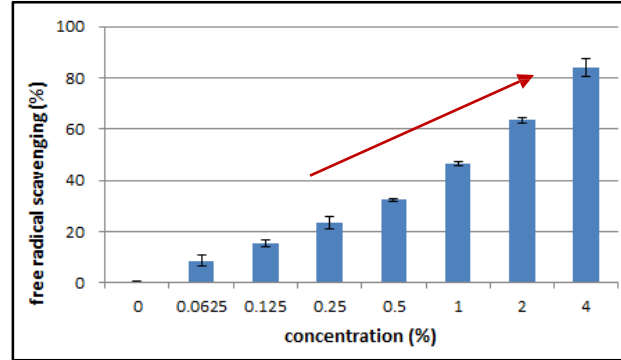
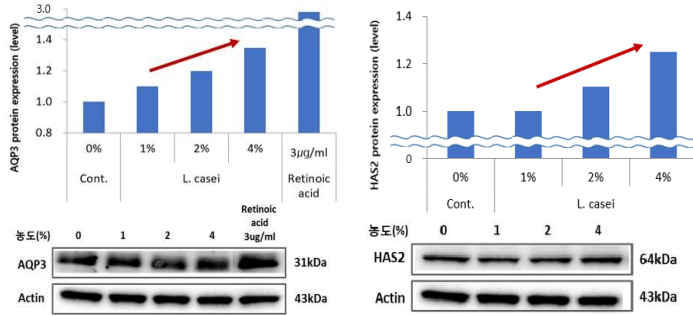
Testing: Using Advanced Equipment (NTA)

Verification of Exosome Particles



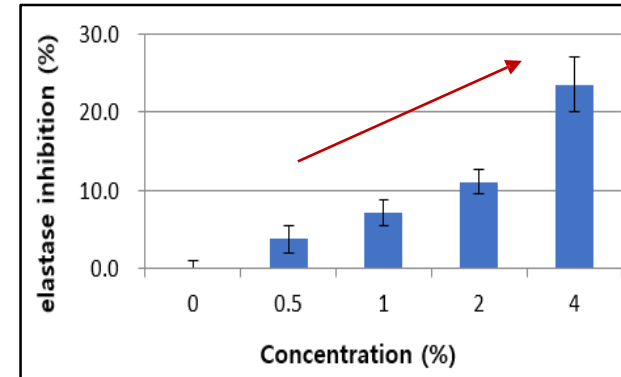
Moisturizing Effect

⇒ Treatment with lactic acid bacteria culture increases the expression of moisturizing factors
(AQP3 - 39% increase, HAS2 - 25% increase)



Antioxidant Effect

⇒ Treatment with lactic acid bacteria culture results in high antioxidant effects.

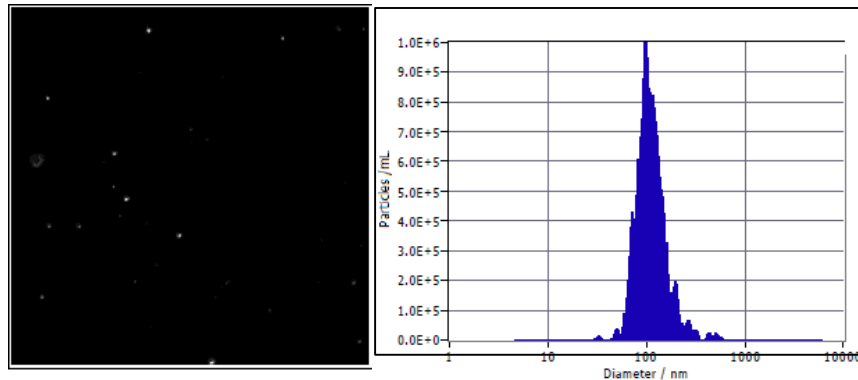


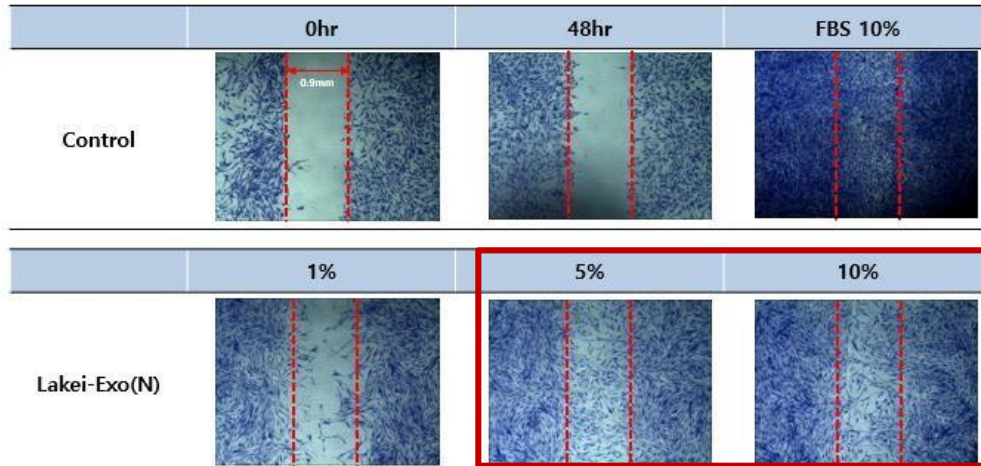
Anti-Wrinkle Effect

⇒ Treatment with lactic acid bacteria culture inhibits elastase by 23.5%.

LactoBiome Exosome Particles

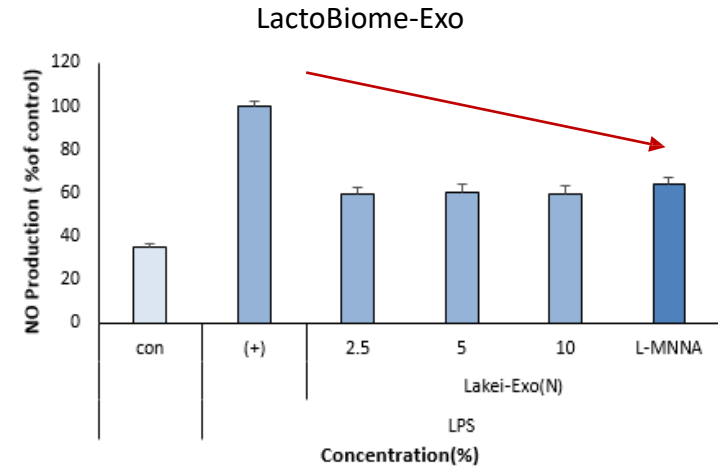
According to the Nanoparticle Tracking Analysis (NTA) results, exosome particles of approximately 99.1 nm in size from LactoBiome-Exo were confirmed.





Wound Healing Effect

⇒ Treatment with LactoBiome-Exo(N) resulted in over 50% skin regeneration.



Anti-inflammatory Effect

⇒ Treatment with Lakei-Exo(N) reduced inflammation response by over 40%.