다산씨엔텍
DASAN C&Tech

수삼유래유산균엑소좀

Lactobacillus Ferment Lysate : DS-LactoExo™

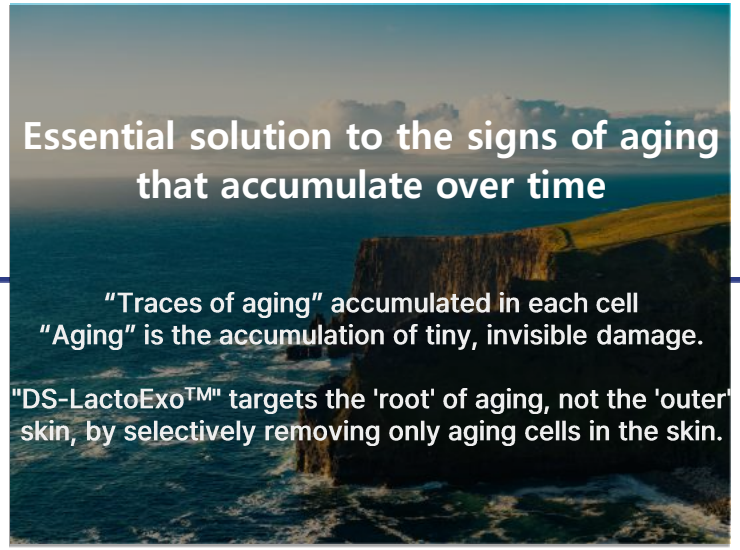
DS-LactoExo™ purifies aging cells in the skin, delivering youthful and vibrant skin

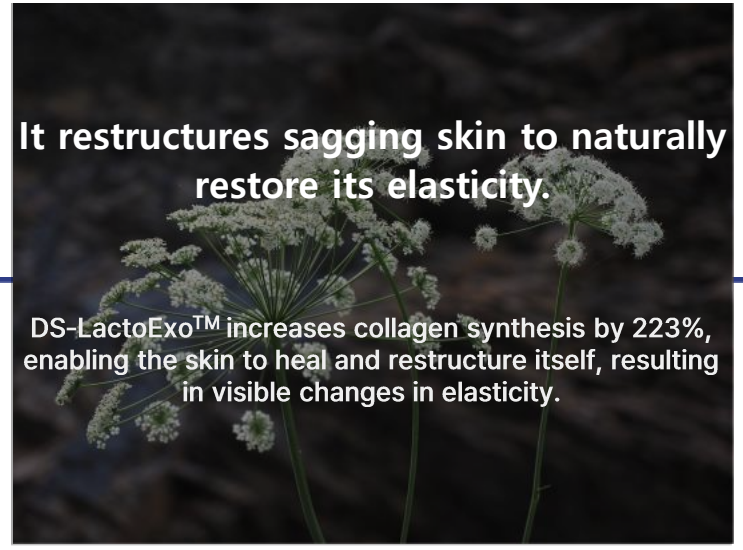
- It selectively removes aged skin cells, promoting a clearer and more vitalized complexion.
- It promotes the recovery of damaged cells, helping to restore and reorganized skin structure.
- It boosts collagen synthesis by 143%, enhancing skin elasticity and density.
- It helps diminish yellow undertones and visibly brightens the skin, revealing a more radiant and even complexion.

- INCI : Lactobacillus Ferment Lysate
- Package Size : 1kg
- Export information : Available for export to China

KEY POINT

#Senolytic #Senomorphic #Skin Whitening #Skin Volume #Skin Elasticity





DS-LactoExo™

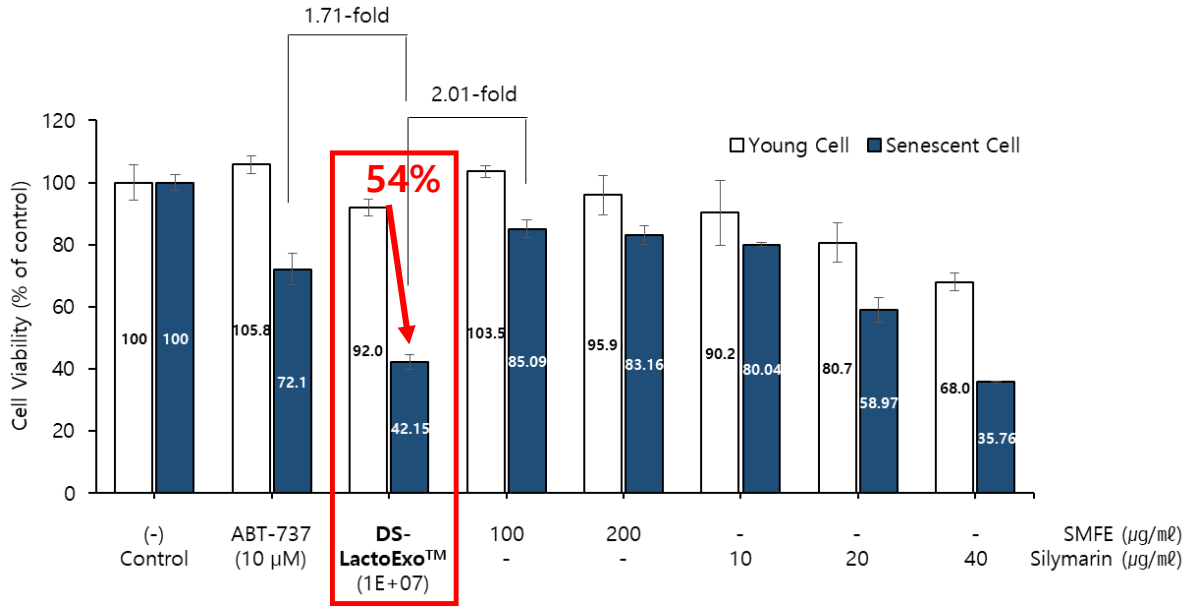
INCI : Lactobacillus Ferment Lysate

- It has a senolytic effect that selectively induces apoptosis of aged NHDF (Normal Human Dermal Fibroblasts).
- It has a senomorphic effect that promotes the synthesis of procollagen in aged NHDF (Normal Human Dermal Fibroblasts).

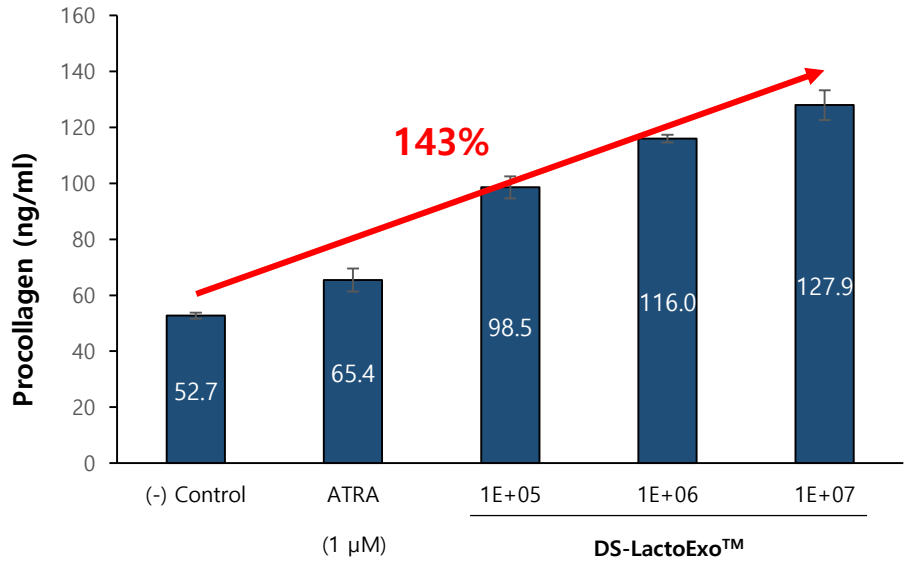
In vitro test

DS-LactoExo™ selectively kills aged skin cells.

*SMFE: Silybum marianum Flower Extract



DS-LactoExo™ promotes the synthesis of procollagen in a dose-dependent manner in aged cells.



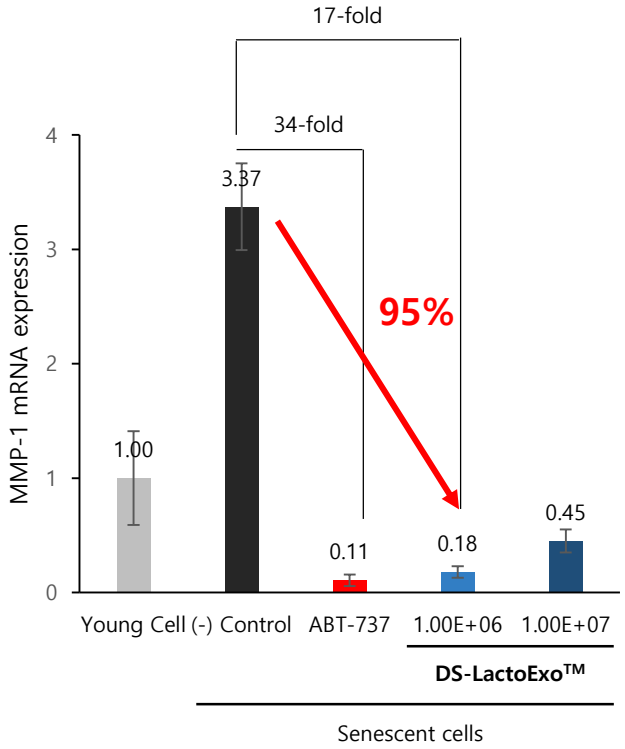
DS-LactoExo™

INCI : Lactobacillus Ferment Lysate

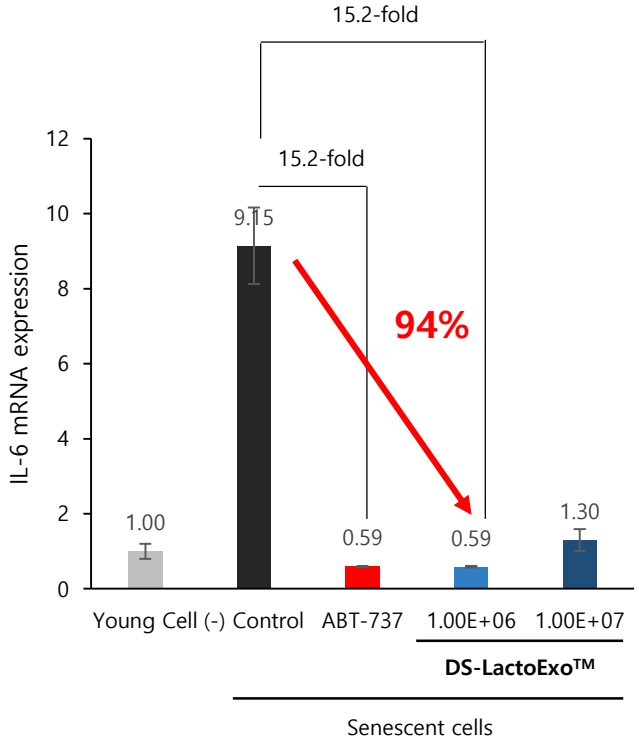
- DS-LactoExo™ has the effect of inhibiting the expression of collagen-decomposing enzyme gene (MMP-1) in aged NHDF.
- DS-LactoExo™ has the effect of promoting the expression of collagen gene (COL1A1) in aged NHDF.
- DS-LactoExo™ has the effect of suppressing the expression of inflammatory gene (IL-6) in aged NHDF.

In vitro test

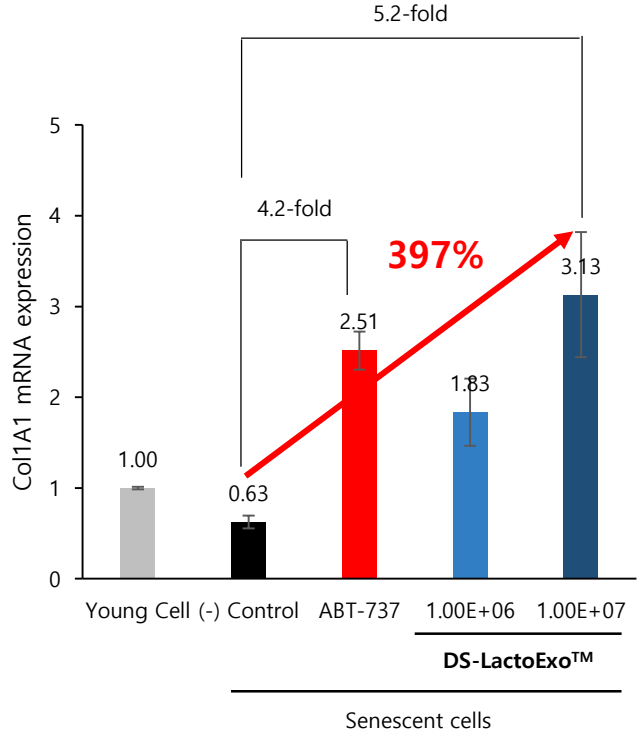
Inhibitory effect on collagen-degrading enzyme (MMP-1) gene expression



Inhibitory effect on inflammatory gene (IL-6) expression



Promoting effect on collagen gene (COL1A1) expression



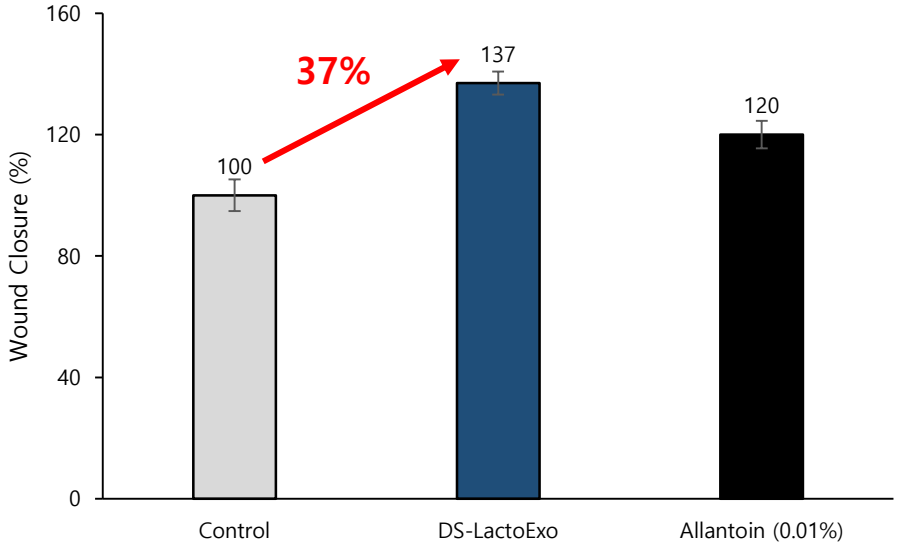
DS-LactoExo™

INCI : Lactobacillus Ferment Lysate

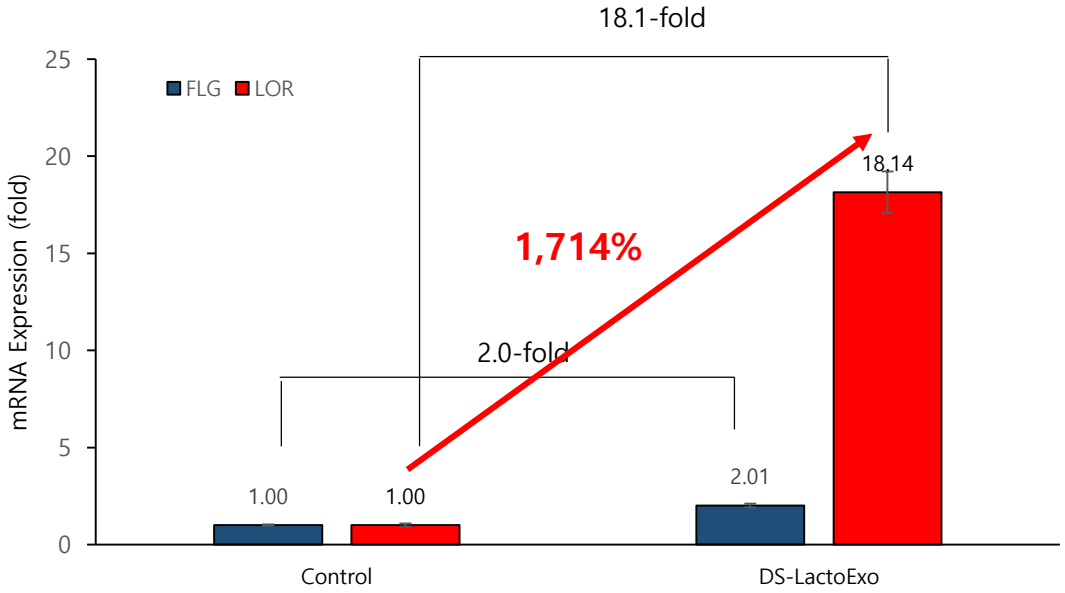
- DS-LactoExo™ has a skin regeneration effect that promotes wound healing of skin keratinocytes (HaCaT).
- DS-LactoExo™ has the effect of promoting the expression of genes related to strengthening skin barrier.

In vitro test

DS-LactoExo™ has a skin regeneration effect on skin keratinocytes by up to 37%.



DS-LactoExo™ enhances the gene expression related to the skin barrier by up to 1,714%



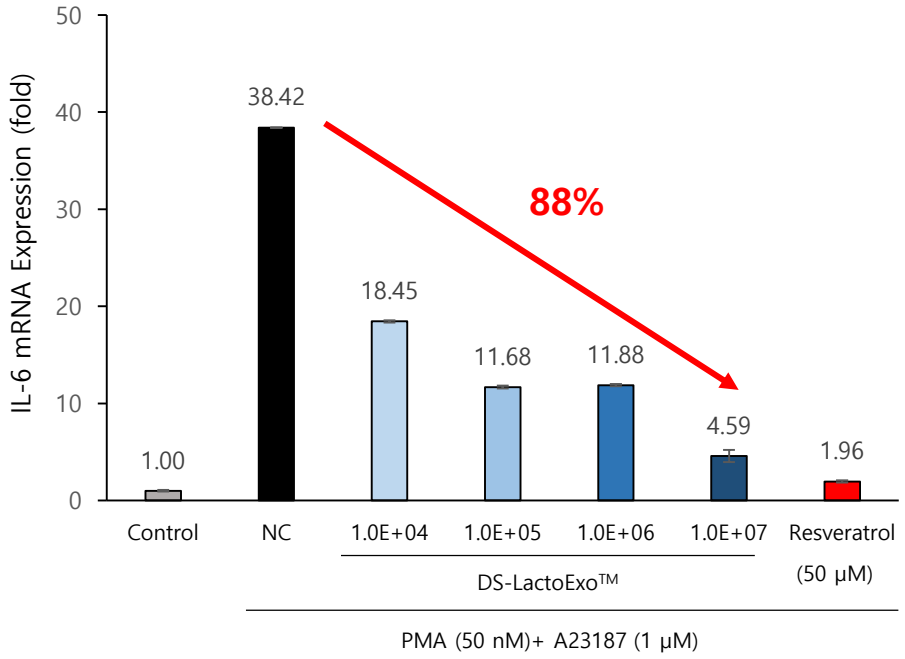
DS-LactoExo™

INCI : Lactobacillus Ferment Lysate

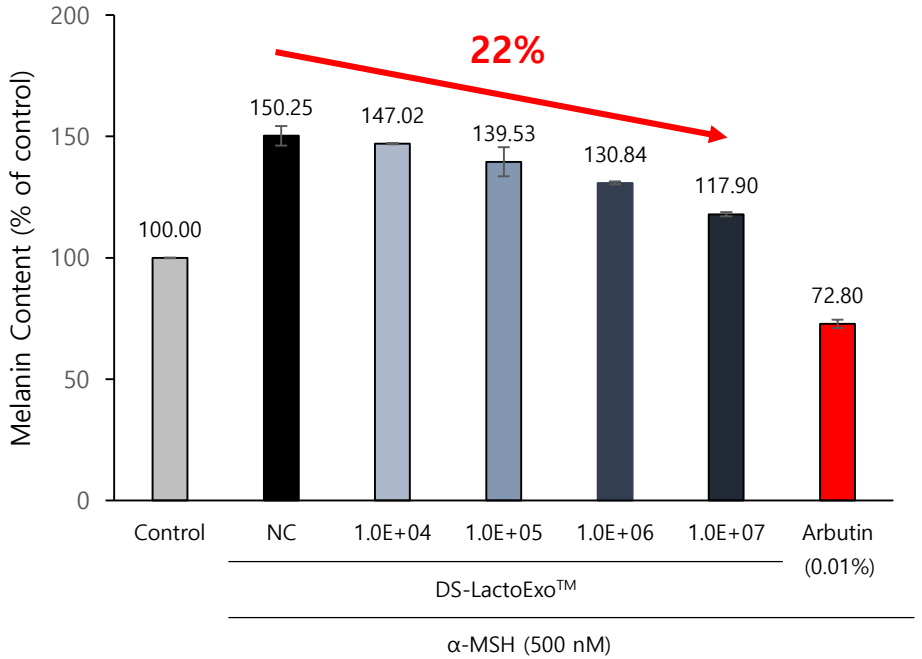
- DS-LactoExo™ has an anti-inflammatory effect in human mast cells (HMC-1) in which an inflammatory response is induced.
- DS-LactoExo™ has the effect of inhibiting the deposition of intracellular melanin pigment in mouse melanoma cells (B16F10).

In vitro test

The effect of inhibiting the expression of the inflammatory gene IL-6 by up to 88%



The effect of inhibiting the deposition of melanin pigment within melanoma cells by up to 22%



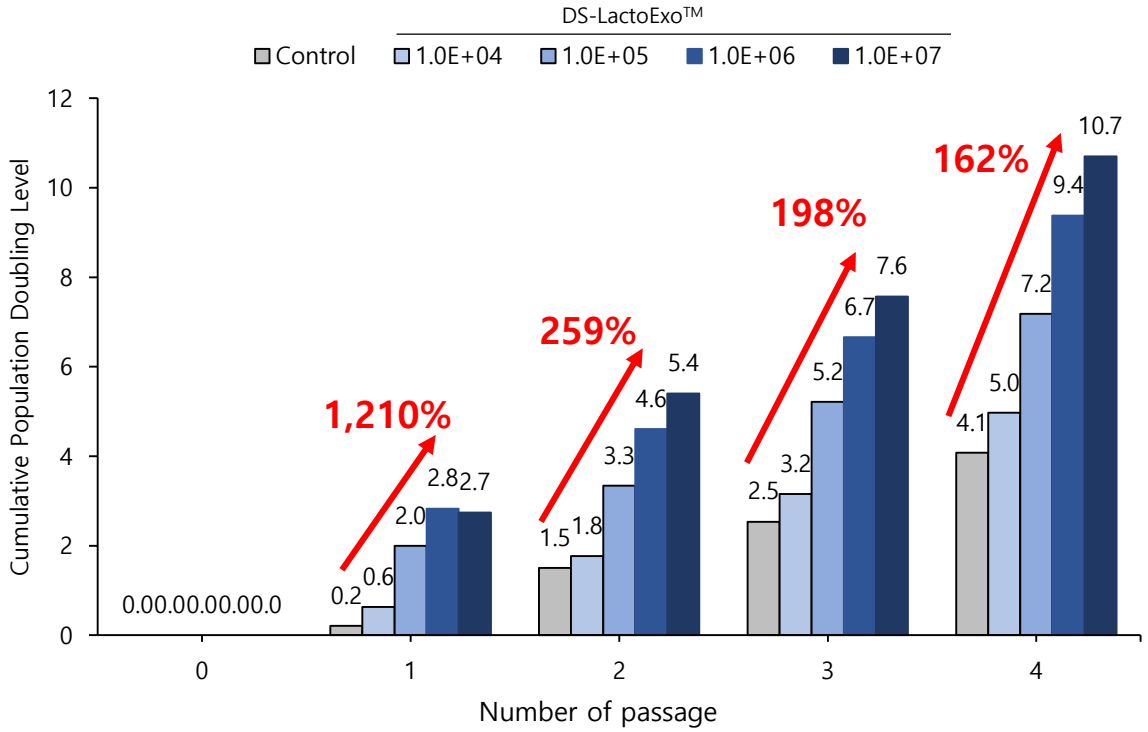
DS-LactoExo™

INCI : Lactobacillus Ferment Lysate

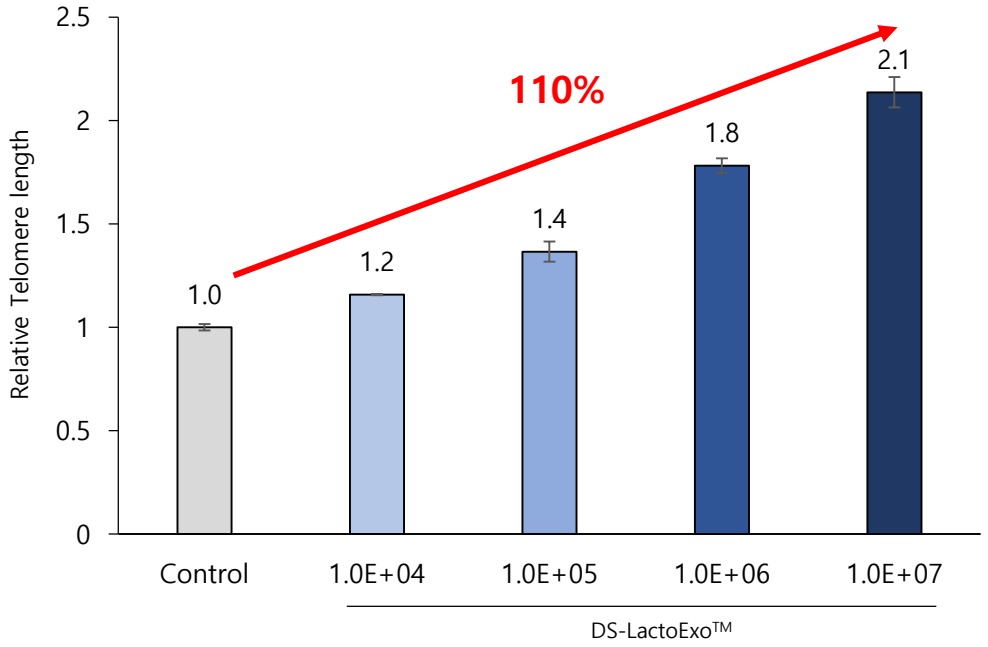
- DS-LactoExo™ enhances the proliferation and growth of normal human dermal fibroblasts (NHDF).
- DS-LactoExo™ prevents telomere shortening in normal human dermal fibroblasts (NHDF).

In vitro test

DS-LactoExo™ enhances the cumulative population doubling level of normal human dermal fibroblasts.



DS-LactoExo™ prevents telomere shortening in normal human dermal fibroblasts by up to 110%, thereby delaying premature skin aging.



DS-LactoExo™

INCI : Lactobacillus Ferment Lysate

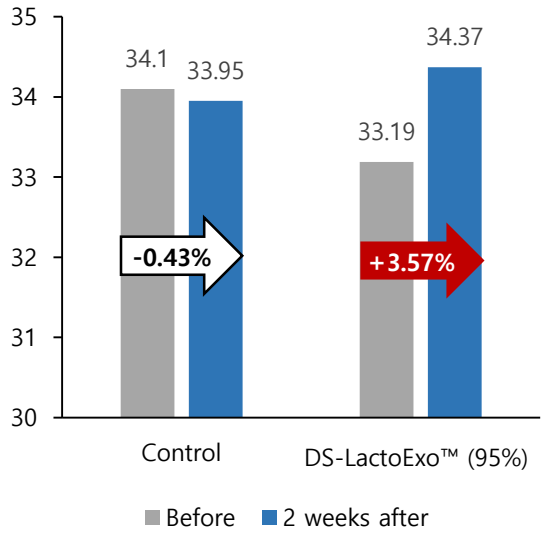
- When sample containing 95% of DS-LactoExo™ was used for two weeks, skin brightness improved.
- When sample containing 95% of DS-LactoExo™ was used for two weeks, yellow skin tone improved.

Clinical efficacy test

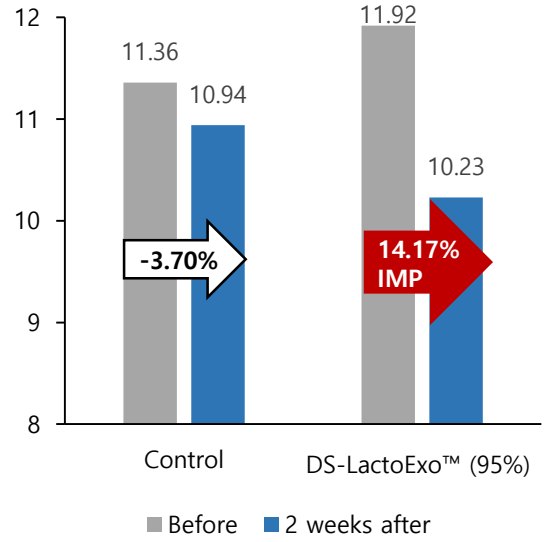
*Sample containing 95% of DS-LactoExo™

[Improved whitening effect after 2 weeks of use]

[Skin brightness]



[Skin yellow tone]



DS-LactoExo™

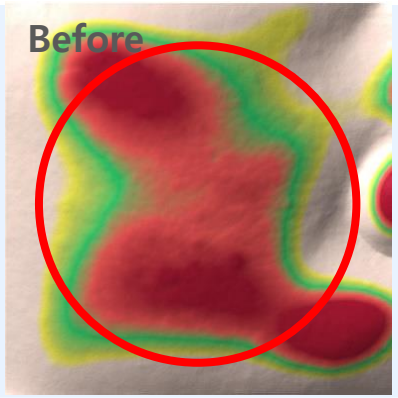
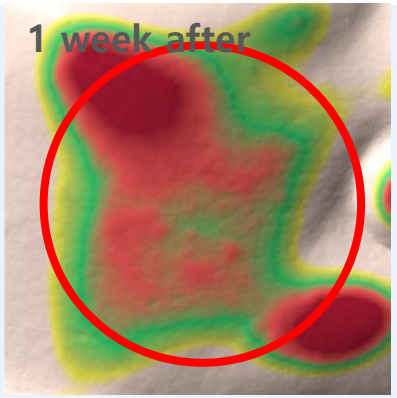
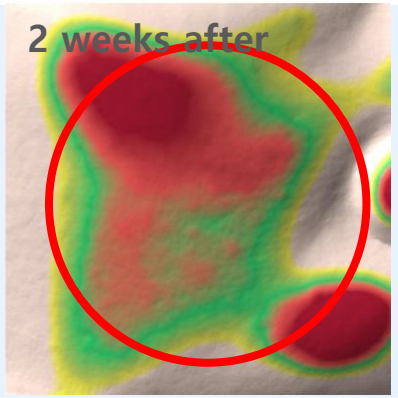
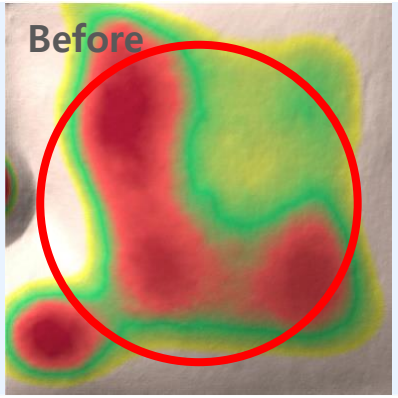
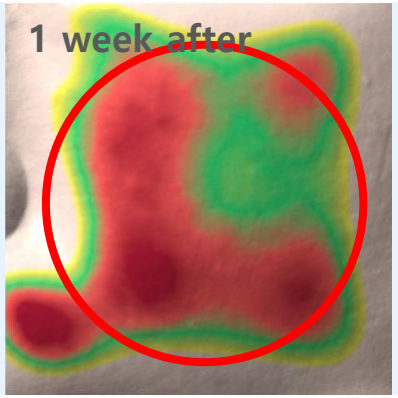
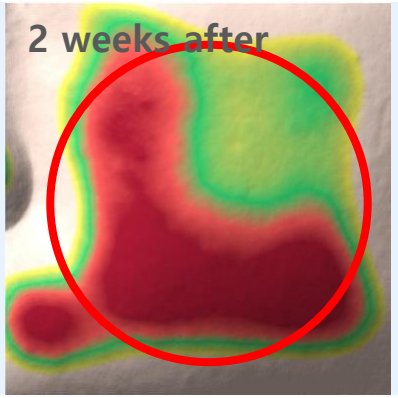
INCI : Lactobacillus Ferment Lysate

- When sample containing 95% of DS-LactoExo™ was used for two weeks, skin volume improved.

Clinical efficacy test

*Sample containing 95% of DS-LactoExo™

[Improved skin volume after 2 weeks of use]

Control			
DS-LactoExo™ (95%)			

DS-LactoExo™

INCI : Lactobacillus Ferment Lysate

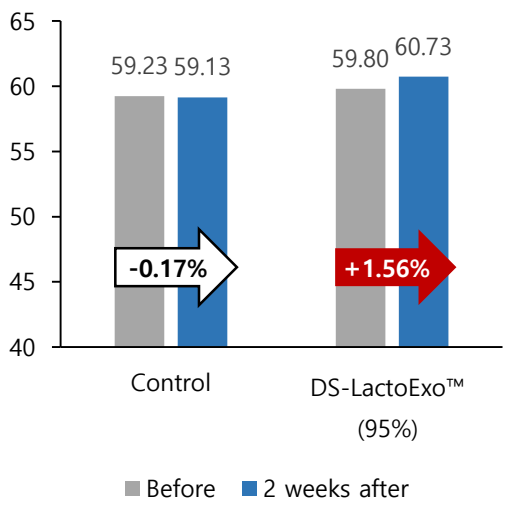
✓ When sample containing 95% of DS-LactoExo™ was used for two weeks, skin elasticity improved.

Clinical efficacy test

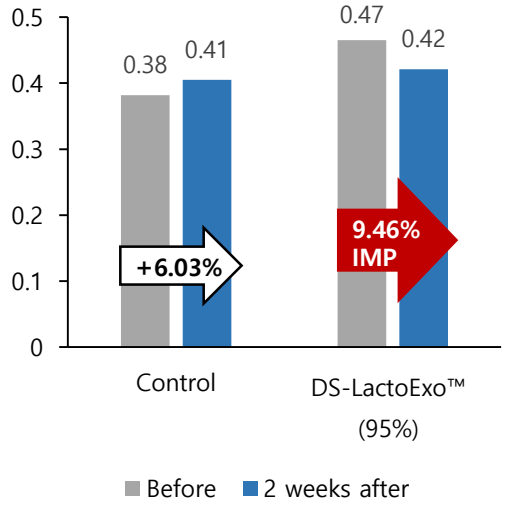
*Sample containing 95% of DS-LactoExo™

[Improved skin elasticity after 2 weeks of use]

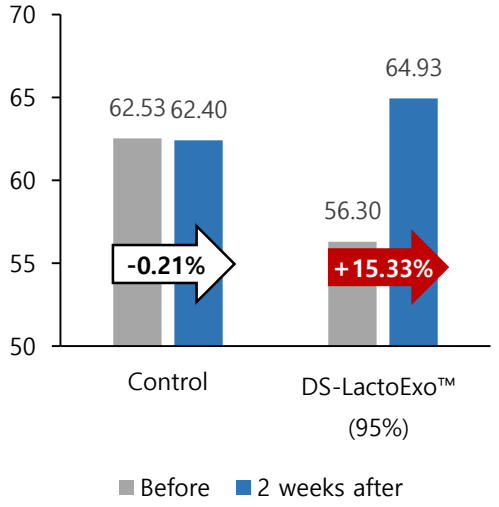
Gross Elasticity



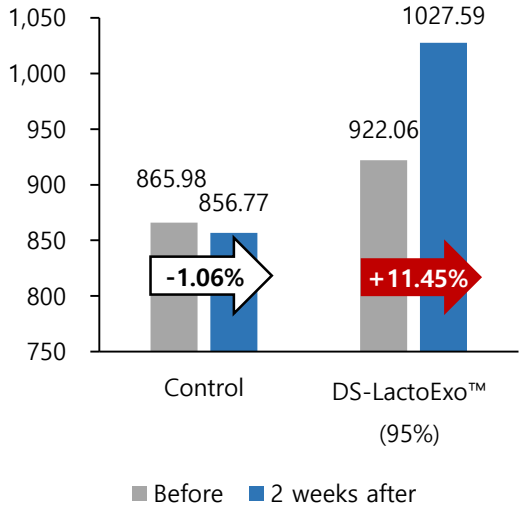
Skin Firmness



Maximum Collagen Strength



Skin volume



다산씨엔텍
DASAN C&Tech

수삼유래유산균엑소좀

Lactobacillus Ferment Lysate : DS-LactoExo™

CONTACT US