

Target telomeres and ECM
for luxurious ultimate care around the eye area

Hybloom™ Aurora

Unleash the ultimate radiance of Hyaluronic Acid,
as brilliant as the Aurora

- Powered by 6 patents, global pioneer of dual enzymolysis technology
- The pinnacle of 400 Da sodium hyaluronate, exceptional transdermal activity
- Unique HA disaccharide structure & HA2-to- Δ HA2 ratio for enhanced bioactivity



Introduction

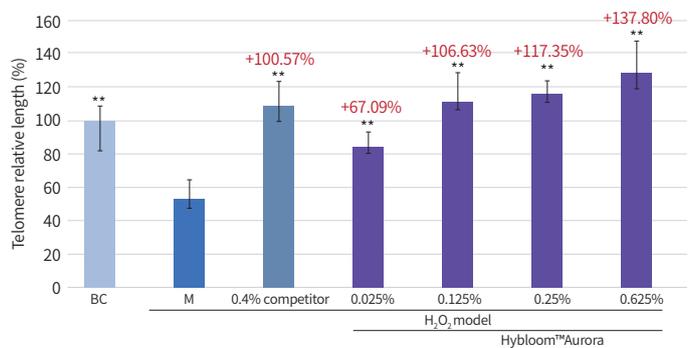
Hybloom™ Aurora is a hydrolyzed sodium hyaluronate with the lowest molecular weight, derived from the global first dual enzymatic hydrolysis technology. It boasts exceptional skin permeability and a unique molecular structure, allowing its bioactivity to reach the deep skin layers directly.

This product effectively reduces telomere attrition and delays cellular aging. Meanwhile, it remodels the ECM microenvironment and upregulates the expression of CD44 and endogenous HA. In cosmetics applications, it delivers visible benefits such as smoothing fine lines, fading dark circles, reducing under-eye puffiness, and improving periorbital sagging.

Protect telomeres to delay skin aging

In the H₂O₂ oxidative damage model, the relative telomere length is significantly shortened, leading to decreased cell viability and even cell apoptosis. Hybloom™ Aurora can penetrate deep into dermis layer, extend the relative length of telomeres, reduce telomere attrition, maintain youthful cell activity at the cellular level, delay the aging process, and effectively combat skin aging issues such as sagging and dullness.

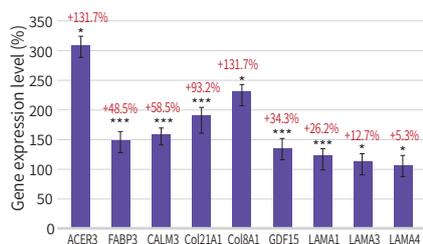
The telomere-protecting effect of 0.125% Hybloom™ Aurora is superior to that of competing products with a 0.4% concentration.



Human Fibroblasts (HSF), BC: Blank Control Group, Model Group (M): Modeled with 50 μ mol/L H₂O₂, compared with model group, **p<0.01

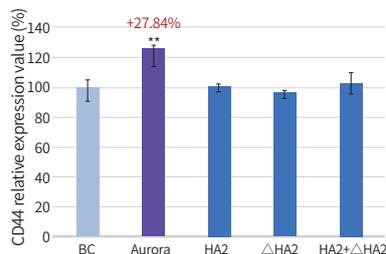
Target ECM to rejuvenate skin

Rebuild the ECM microenvironment



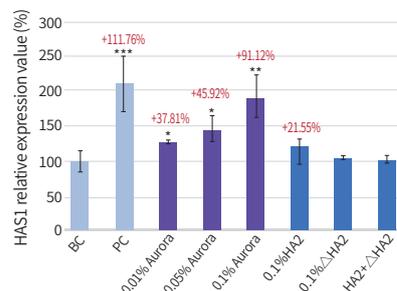
Transcriptome analysis of Fibroblasts (HSF) cells, 0.1% Hybloom™ Aurora.
The gene expression level of the blank control group is defined as 100%, compared with blank control group, *p<0.05, ***p<0.001

Up-regulate CD44 synthesis



HaCaT model, compared with the control group: **p<0.01.
0.1% Hybloom™Aurora,
HA2: Saturated HA Disaccharide, ΔHA2: Unsaturated HA Disaccharide, HA2:ΔHA2 = 1:1

Up-regulate endogenous HA expression

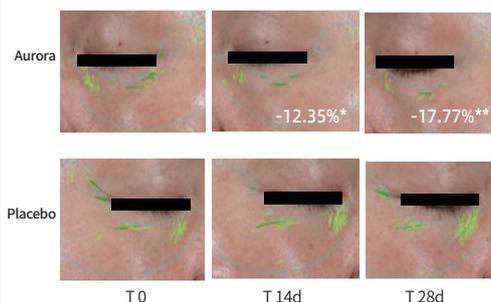


HaCaT model, compared with the blank control group: *p<0.05, **p<0.01, ***p<0.001
0.1% Hybloom™Aurora
HA2: Saturated HA Disaccharide, ΔHA2: Unsaturated HA Disaccharide, HA2:ΔHA2 = 1:1
BC: Blank control, Positive Control (PC): 100 ng/mL TGF-β1.

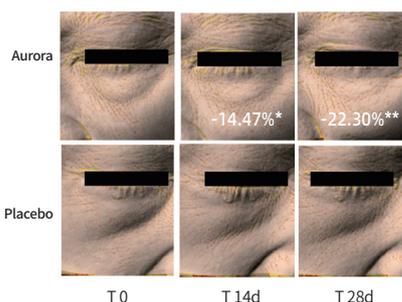
Hybloom™ Aurora regulates ceramide synthesis, lipid metabolism, collagen metabolism, laminin synthesis, and GDF15 expression in the extracellular matrix (ECM), while upregulating CD44 and hyaluronan synthase (HAS1) gene expression. Thus, it revitalizes the deep skin layers and delivers anti-wrinkle & repairing benefits by modulating the ECM microenvironment.

Dual care for face & eye area

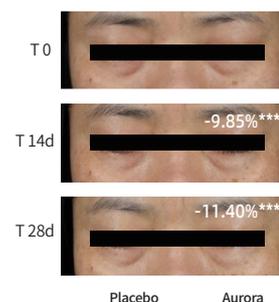
Improve fine lines



Diminish eye bags



Reduce dark circles



30 Volunteers, Double-blind, half-face control, 0.1% Hybloom™ Aurora serum; compared with placebo: *p<0.05, **p<0.01, ***p<0.001

Evaluation indicators: fine lines - change rate of crow's feet area ratio; eye bags - change rate of eye bag volume; dark circles - change rate of melanin MI value

Hybloom™ Aurora targets telomeres and ECM. By energizing cells and replenishing the ECM, it fades dry fine lines (e.g., forehead lines, crow's feet, nasolabial folds) while boosting skin elasticity and firmness. For periorbital concerns: after 28 days of continuous use of serum containing 0.1% Hybloom™ Aurora, dark circles faded by 11.40% and eye bag volume reduced by 22.30% - proving it improves periorbital sagging and restores radiance to the eye area.

INCI Name: Hydrolyzed Sodium Hyaluronate

Recommended Dosage: 0.05%-0.5%

Application: Suitable for anti-aging products of all formulations, especially effective for eye area care products.



CREATIVE TECHNOLOGY FOR VIBRANT LIFE

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