



BioBoost: Hydrate. Optimize. Elevate.

Unleashing the Power of Dual-Action Hyaluronic Acid for Advanced Skin Boosting

The Vision

True skin vitality demands an intelligent, multi-layered approach. BioBoost is a meticulously engineered skin booster designed to optimize function from the deepest layers to the visible surface.

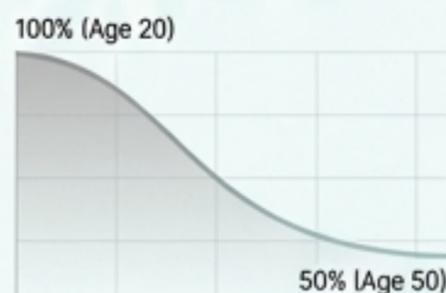
The 5 Core Promises

- ✓ 1. Deep Hydration: Lasting plumpness.
- ✓ 2. Structural Support: Elasticity and firmness.
- ✓ 3. Cellular Revitalization: Stimulates regenerative processes.
- ✓ 4. Barrier Fortification: Strengthens protective shield.
- ✓ 5. Luminous Radiance: Youthful glow from within.

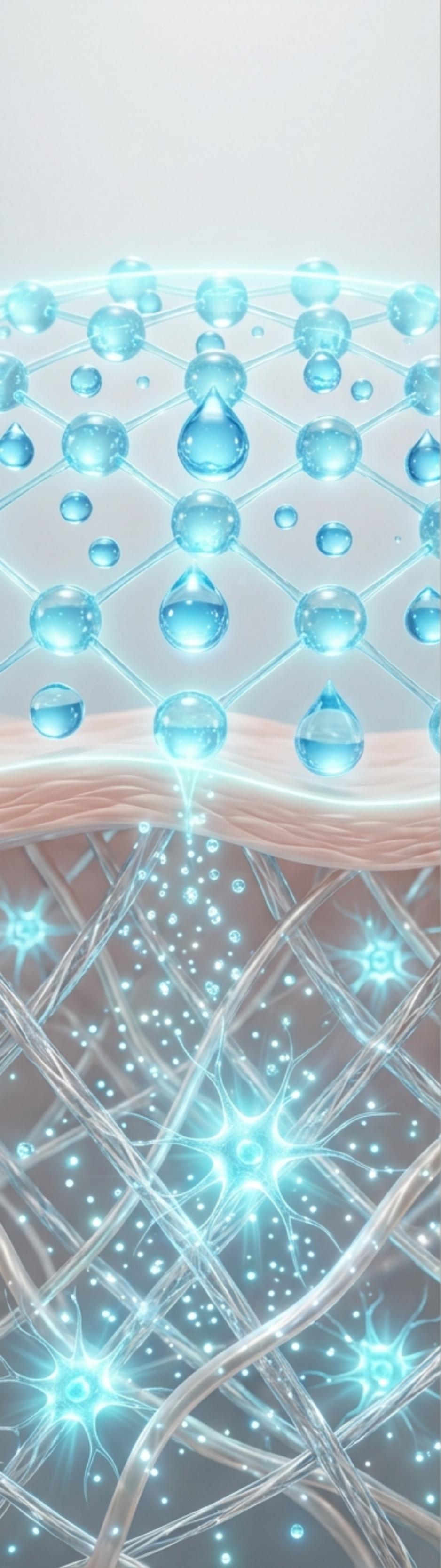
The Challenge: HA Depletion

Aging and environmental stress (UV, pollution) cause a significant decline in natural HA production. **Consequences:** Dryness, Loss of Volume, Reduced Elasticity, Compromised Barrier, and Dullness.

HA Depletion Curve



The Boosting Concept: Traditional moisturizers offer temporary relief. BioBoost transcends this by empowering the skin to rebuild hydration reserves from within.



The Dual-Action Mechanism

Surface Guardian & Cellular Activator

HMW HA: The Surface Guardian

Specs: 900 – 1400 kDa | 40 mg/2.5 mL

Action: Forms a hygroscopic film on the epidermis acting as a moisture magnet.

- **Occlusive-like Barrier:** Reduces Transepidermal Water Loss (TEWL) without blocking breathability.
- **Immediate Plumping:** Volumetric effect reduces fine lines and smooths texture instantly.

LMW HA: The Deep Regenerator

Specs: 100 – 600 kDa | 40 mg/2.5 mL

Action: Penetrates the epidermal barrier to reach the deep dermis.

- **Endogenous Stimulation:** Signals fibroblasts to increase their own production of HA, collagen, and elastin.
- **Structural Repair:** Improves skin firmness and elasticity while reducing deeper wrinkles.
- **Inflammaging Control:** Modulates immune response to reduce chronic inflammation.

Synergistic Efficacy: The 1:1 Ratio Advantage

A precise 1:1 ratio offering an unprecedented, comprehensive approach to skin boosting.

40mg HMW + 40mg LMW = 80mg Total HA

Instant Surface Hydration & Plumping

Protective Barrier Formation

Smooths Fine Lines & Texture



Deep Dermal Penetration

Fibroblast & Collagen Stimulation

Progressive Structural Repair

The Synergy Matrix

Feature	HMW HA Contribution	LMW HA Contribution	SYNERGISTIC RESULT
Hydration	Creates surface reservoir	Replenishes dermal reserves	Complete, multi-layered hydration
Timeline	Instant radiance & smoothing	Progressive biological regeneration	Immediate enhancement + Cumulative structure
Function	Barrier support	Fibroblast stimulation	Total Skin Optimization

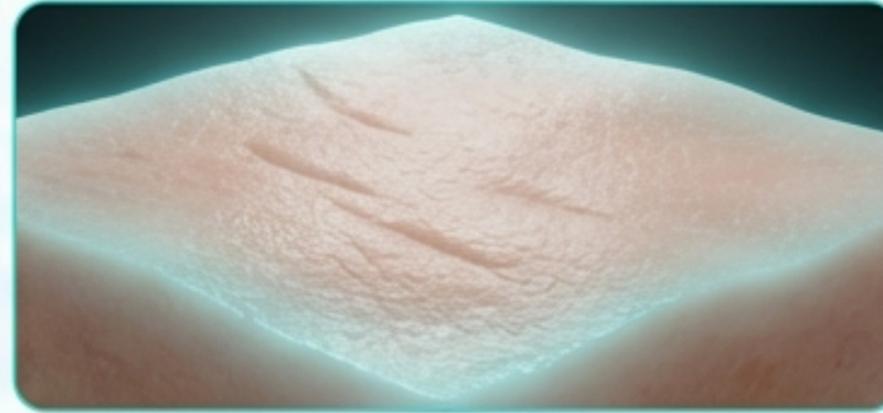
The Bridge: We bridge the gap between instant cosmetic improvement and fundamental biological regeneration.

Optimized biocompatibility ensures therapeutic effects without immune reactions.

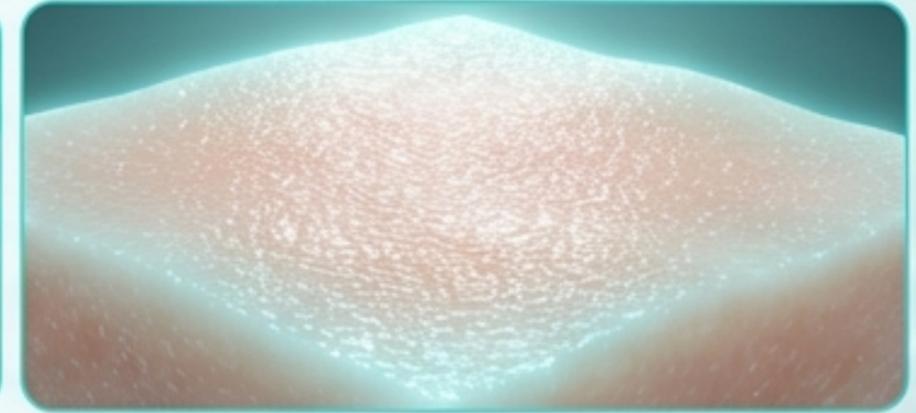
Simulation Strip



Pre-Treatment



Immediate Effect



6 Weeks (Regenerated)

Clinical Protocol & Specifications

• Clinical Indications

- Dehydration, fine lines, and early wrinkles.
- Loss of tone/elasticity and uneven texture (acne scarring).
- Adjunctive therapy for lasers/peels.
- Suitable for sensitive/compromised skin barriers.

• Application Protocol

- **Technique:** Micro-injections into the superficial dermis.
- **Course:** 2-3 sessions, spaced 3-4 weeks apart.
- **Maintenance:** Every 4-6 months.
- **Areas:** Face, neck, décolletage, hands.

Timeline of Outcomes

• **Immediate:** Increased hydration and plumping.

• **1-2 Weeks:** Enhanced radiance and reduced superficial lines.

• **4-6 Weeks:** Significant improvement in elasticity, firmness, and endogenous repair.

SPECIFICATIONS HMW: 40 mg (900-1400 kDa) | LMW: 40 mg (100-600 kDa) | Total: 80 mg / 2.5 mL

Manufacturer: Meridelle | www.meridelle.com | info@meridelle.com