MERYU®

HYDRO PLUS

Deep Renewal & Superior Skin Performance

Target Layer: Multi-Depth

HA Profile: Multi-Weight HA Complex (90 mg / 3 ml)

Co-Active: Glycerol + Multi-Molecular Biostimulation

Primary Aim: Hydration, Fibroblast Activation & Collagenesis

Packaging: 2 x 3 ml sterile pre-filled syringes





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Essential Hydration & Refined Skin Quality

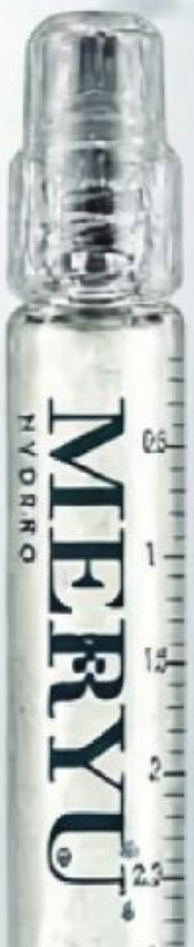
Target Layer: Superficial Dermis / Intradermal

HA Profile: High Molecular Weight HA (60 mg/ 3ml)

Co-Active: Glycerol (Potent Osmotic Humectant)

Primary Aim: TEWL Prevention, Physiological Hydro-Balance

Packaging: 2 x 3 ml sterile pre-filled syringes





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HYDRO PLUS

MERYU® HYDRO PLUS — CLINICAL DOSSIER

Multi-Depth Biorevitalization & Advanced ECM Remodeling



Tri-Action HA Cascade

Low-MW HA Fraction: Deeply penetrates to stimulate CD44 receptors and upregulate neocollagenesis.

Medium-MW HA Fraction: Provides structural support for fibroblast migration and ECM synthesis.

High-MW HA Fraction: Secures long-lasting hydro-reserve and immediate surface cushioning.

Glycerol Matrix: Protects HA molecules against premature enzymatic hyaluronidase degradation.

Clinical Indications & Outcomes

Primary Indications: Hydration, Mild skin laxity, advanced photoaging, loss of dermal density, acne scarring.

Target Anatomical Zones: Full face, periorbital micro-lines, superficial glabella, neck, décolletage, hands.

Biological Stimulation: Noticeable densification, dermal thickening, and tightening over 4–8 weeks after last session.

Expected Outcomes: Restoration of structural tone, high elastic recoil, dynamic skin rejuvenation, pore refinement.



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MERYU® HYDRO — CLINICAL DOSSIER

Mechanism of Action, Indications & Target Anatomical Zones

Scientific Mechanism

High-Molecular Weight HA: Forms a permeable viscoelastic biomimetic shield over the extracellular matrix.

TEWL Reduction: Effectively halts transepidermal water loss and traps endogenous moisture.

Glycerol Synergy: Potentiates HA hydration through dynamic hydrogen bonding, reinforcing the skin barrier.

Cellular Microenvironment: Restores physiological osmotic equilibrium, boosting skin luminosity & suppleness.

Clinical Indications & Outcomes

Primary Indications: Early photoaging, superficial fine lines, dehydrated/dull complexion, sensitive skin.

Target Anatomical Zones: Full face, periorbital micro-lines, superficial glabella, neck, décolletage, hands.

Combination Protocols: Ideal synergy post-chemical peels, non-ablative lasers, and micro-needling.

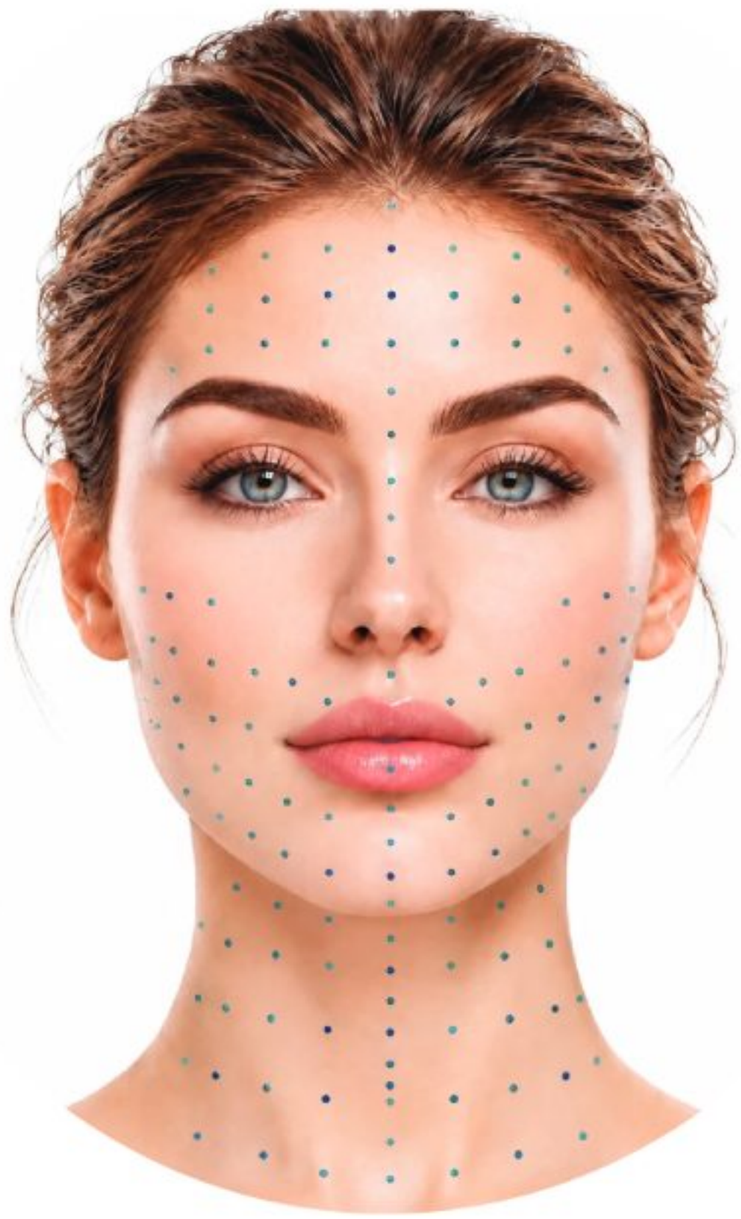
Expected Outcomes: Immediate radiant glow, pore refinement, lasting barrier restoration and smoothness.

Injection Map

1 cm spaced dots for optimal coverage



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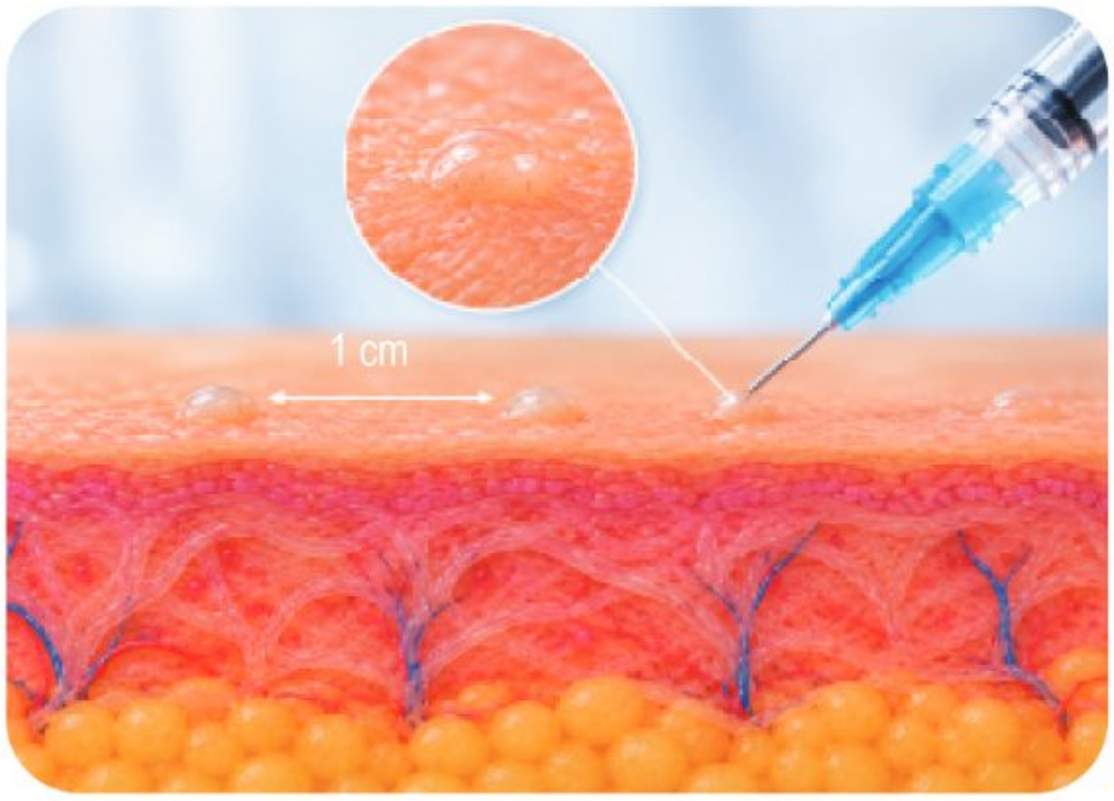


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- Décolleté (Chest Area)
- Dorsal Hands (Back of the Hands)

Micro-Papule Technique

A sterile, mesogel based on non-animal-origin HA



- Superficial intradermal injection
- Create micro-papules (≈ 1-2 mm)
- 1 cm spacing for uniform distribution
- Minimal downtime, maximum glow

COMPARATIVE TECHNICAL SPECIFICATIONS

Side-by-Side Analysis of MERYU Hydro vs MERYU Hydro Plus

Specification Parameter	MERYU® HYDRO	MERYU® HYDRO PLUS
HA Total Content	60 mg / 3 mL (20 mg/mL)	90 mg / 3 mL (30 mg/mL)
Molecular Weight Profile	High-Molecular-Weight HA	Multi-Weight Synergistic Complex (LMW + MMW + HMW)
Co-Active Ingredients	Glycerol + Phosphate Buffer (pH 6.8–7.6)	Glycerol + Phosphate Buffer (pH 6.8–7.6)
Target Injection Depth	Superficial-to-Mid Dermis	Mid-to-Deep Dermis
Primary Clinical Action	Intense Hydration & Barrier Defense	Dermal Densification & Biostimulation
Packaging Presentation	2 × 3 mL Pre-filled Syringes	2 × 3 mL Pre-filled Syringes

Injection Techniques

- Micro-papular technique (1–2 mm papules, 0.02–0.05 ml per point)
- Retrograde micro-linear threading with fine needle (30G/32G)
- Cannula fanning (27G/30G, 38–50 mm) for deep dermal spread (conjunction with the subcision)

Recommended Treatment Cycle

- **Initial Protocol:** 3 sessions spaced 2–3 weeks apart
- **Maintenance Protocol:** 1 session every 3 to 6 months
- **Dosage:** 1 syringe (3 mL) per facial session

Synergistic Combination

- Synergy with superficial chemical peels & micro-needling
- Complementary to HYLEXXA cross-linked dermal fillers (hybrid protocol)
- Compatible post-RF microneedling / HIFU tightening

MERYU® Collection

Skin Boosters Based on Sodium Hyaluronate

MAVARA SALAMAT YAS® (MSY®)

MSY® is a knowledge-based company that was established on 7/12/2019 and started its activity as a pharmaceutical company. Based on creativity, literature and specialists opinion, a profound understanding of upgradeable points of products in our people demand, the R&D team of **Mavara Salamat Yas** company conducted a great number of designs to manufacture the products according to the needs of domestic consumers.

After three years of round-the-clock efforts, our team have succeeded in acquiring the technical knowledge of producing cross-linked hyaluronic acid by BDDE molecule, as well as the company has produced biological molecules-based mesotherapy products - namely vitamins, amino acids, biomimetic peptides, and growth factors - that are effective in improving skin quality.

Collaboration Opportunities:

- OEM/Private Label Manufacturing
- Joint R&D Projects
- Co-Development of Innovative Formulations
- Commercial Partnerships & Global Expansion

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