

MERKEN

Dual-Action Bio-Stimulation for Structural Rejuvenation.

PLLA+HA

Polly L Lactic Acid+Hyaluronic Acid
200mg / 5 mL

5 ml

Not Just Volume.

Regeneration!

 **ElisaMed Co.**
Elisa Tibbi Gereçler Sanayi A.Ş.



THE SCIENCE OF BIOSTIMULATION (Mechanism of Action)

Cellular Level Regeneration

- **Mechanism:** MERKEN PLLA+HA induces controlled biostimulation within the dermis, activating fibroblasts and triggering de novo collagen synthesis.
- **Active Matrix:** 20-50 μm PLLA particles initiate a biological response within the dermal matrix, supporting gradual and sustained tissue restructuring without immediate displacement.



5 mL High-Volume Professional Formula



PLLA+HA

MERKEN

MERKEN PLLA+HA

HYBRID ADVANTAGE (PLLA + HA Synergy)

Synergy of PLLA and Hyaluronic Acid

- **HA Component:** Micro-Cross-Linked, medium molecular weight Hyaluronic Acid ensures immediate hydration and balanced tissue tolerance.
- **PLLA Component:** High-concentration Poly-L-Lactic Acid provides long-term structural integrity and firming.
- **Benefit:** Instant comfort combined with long-term youthful vitality.

Hybrid Formula:

A powerful combination containing **PLLA 100 mg** and **Hyaluronic Acid 100 mg**, delivering a total of **200 mg** of active ingredients.

Dual-Action Rejuvenation:

Provides immediate hydration and volume with HA, while stimulating long-term collagen synthesis (de novo collagen) through PLLA.

MERKEN **PLL+HA**



PHILOSOPHY OF BEAUTY

At **MERKEN**, beauty is defined by skin health, structural integrity, and natural regeneration. **MERKEN PLLA+HA** is designed to stimulate the skin's own renewal processes, combining immediate dermal hydration with progressive collagen biostimulation. Rather than creating artificial volume, it supports biological restoration – revealing stronger, smoother, and naturally revitalized skin over time.

Powered by **MERKEN PLLA+HA** biostimulation, beauty is not artificially formed – it is naturally and biologically restored.

- Preserving natural expression and authentic facial dynamics
- Prioritizing safety, tolerance, and biocompatibility
- Delivering subtle, progressive, and long-lasting results
- Achieving outcomes guided and validated by science

MERKEN PLLA+HA

TECHNICAL SPECIFICATIONS

MERKEN PLLA+HA provides a balanced synergy of hydration and biostimulation, supporting both immediate tissue environment and long-term structural regeneration.

Total Volume: 5 mL

Defines the total fill volume of the product contained in the syringe.

Total Active Content: 200 mg PLLA + HA

Represents the combined amount of active bio-stimulating and hydrating components in the formulation.

Poly-L-Lactic Acid (PLLA): 100 mg (20 mg/mL)

Biostimulatory component that promotes fibroblast activation and supports long-term collagen synthesis.

Sodium Hyaluronate (HA): 100 mg (20 mg/mL)

Hydrophilic molecule that provides hydration, improves dermal environment, and supports tissue quality.

Dynamic Viscosity: 200,000 mPa·s at 25°C

Indicates the rheological behavior of the gel, ensuring optimal injectability and tissue integration.

pH Range: 6.5 – 7.5

Physiological pH compatibility designed to minimize tissue irritation and support biocompatibility.

Osmolality: 250 – 350 mOsm/kg

Ensures isotonic balance with body fluids, helping maintain cellular stability and patient comfort.

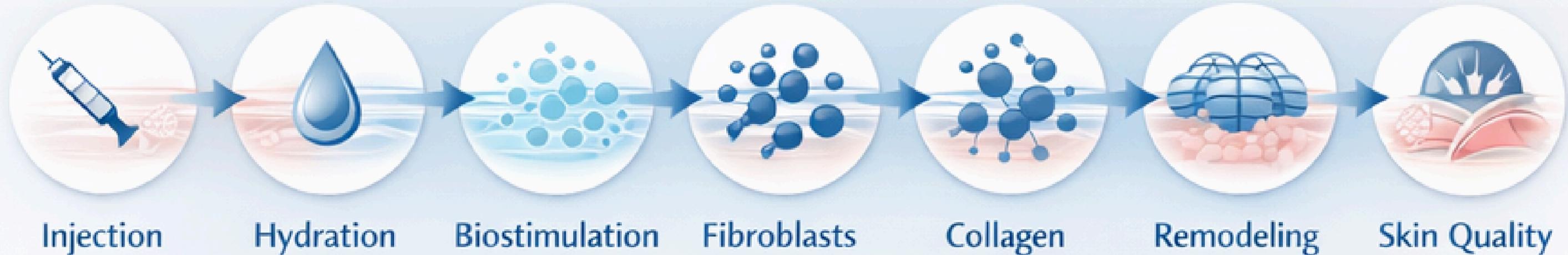
- Total Volume: 5 mL
- Total Active Content: 200 mg PLLA + HA
- Poly-L-Lactic Acid (PLLA): 100 mg (20 mg/mL)
- Sodium Hyaluronate (HA): 100 mg (20 mg/mL)
- Dynamic Viscosity: 200,000 mPa·s at 25°C
- pH Range: 6.5 – 7.5
- Osmolality: 250 – 350 mOsm/kg

MERKEN **PLL+HA**

REGENEXA[®] TECHNOLOGY

Regenerate Structure. Restore Quality. Reveal Skin.

Biostimulatory PLLA + HA Regenerative Platform



Progressive dermal regeneration through controlled fibroblast activation and collagen neosynthesis.

DUAL REGENERATIVE CONCEPT

- Dual-Regenerative Architecture
- Immediate dermal hydration
- Fibroblast activation
- Collagen neosynthesis
- ECM restoration
- Progressive skin quality improvement

TARGET OF ACTION

- Targeting Skin Aging Biology
- Collagen loss
- ECM degradation
- Reduced dermal density
- Loss of elasticity

REGENEXA[®] restores structural dermal integrity.



REGENEXA[®]
Technology

Powered by REGENEXA[®] Biostimulatory Technology
Controlled · Progressive · Long-Term Dermal Regeneration

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CLINICAL APPLICATIONS & BENEFITS

Benefits of **MERKEN PLLA+HA** with **REGENEXA®** Technology



Area for use :

- Deep facial wrinkles and nasolabial folds.
- Full-face volumization and temporal hollow correction.
- Jawline (V-Line) and cheek contouring.

Performance:

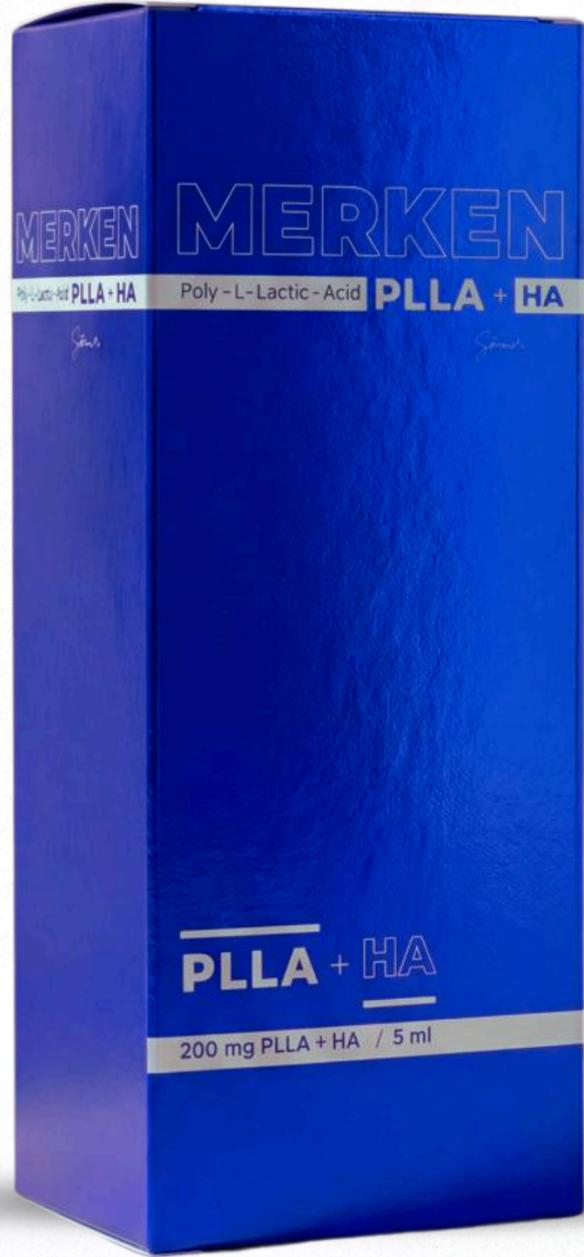
Up to 24 months of sustained biological efficacy.

Safety:

Optimized pH for minimal edema and superior patient comfort



APPLICATION PROTOCOL



Product Application Guidance for Optimal Clinical Outcome

- **MERKEN PLLA+HA** is designed for progressive dermal regeneration and should be applied following a structured clinical protocol to ensure uniform distribution and controlled biostimulation.

Treatment Indications

- Skin quality improvement
- Dermal density and elasticity support
- Fine line and texture refinement
- Progressive collagen stimulation

Recommended Treatment Plan

- Technique: Micro-depot / Linear threading / Mesodermal distribution
- Depth: Deep dermis / Superficial subdermal
- Sessions: 2-3 sessions
- Interval: 4-6 weeks
- Maintenance: Every 6-12 months (depending on patient condition)

*This advanced formulation enables **MERKEN PLLA+HA** to provide balanced hydration, enhanced stability, and reliable safety for injectable aesthetic treatments.*

MERKEN PLLA+HA

At **MERKEN**, innovation is guided by biological science and clinical precision. Our **PLLA+HA** biostimulatory platform is designed to support natural dermal regeneration, restore structural integrity, and enhance long-term skin quality.

We believe aesthetic medicine should not alter identity, but preserve, strengthen, and biologically restore skin from within.

• tag us •



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REGENEXA®
Technology

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