

Regenerate | Rehydrate | Restore

PDRN

SKIN BOOSTER

- Premium Hydration
- High-Purity PDRN
- Silky Injection Feel



Core Ingredient Advantages

PDRN

Polydeoxyribonucleotide (PDRN)

Derived from deep-sea salmon DNA, PDRN exhibits a high degree of homology with human DNA and effectively promotes skin cell regeneration and collagen synthesis. After absorption, PDRN activates adenosine A2A receptors, significantly suppressing pro-inflammatory cytokines such as TNF-α and IL-6 while upregulating anti-inflammatory cytokines including IL-10. At the same time, it stimulates VEGF release, accelerating tissue repair and neovascularization. These mechanisms endow PDRN with outstanding anti-inflammatory and regenerative properties, enabling effective repair of damaged skin.

HA

Hyaluronic Acid (HA)

Formulated with high-purity, non-crosslinked hyaluronic acid sourced from France, this HA penetrates deeply into the dermal layer to provide continuous hydration and volumizing support. Its exceptional water-binding capacity helps reconstruct the skin's microstructure, improve overall skin quality, and deliver long-lasting moisture retention and cushioning support. When combined with microneedling or injection treatments, it significantly enhances skin firmness and fullness.

Niacinamide

Niacinamide

Niacinamide offers brightening and skin-barrier-repair benefits by evening skin tone, inhibiting melanin production, and strengthening the skin's natural protective barrier. In the Redefill formulation, niacinamide works synergistically with HA to achieve deep hydration while also helping to reduce injection-related discomfort and improve overall safety and tolerability.



Product Specification

ITEM	PARAMETERS
Actives	HA (non-crosslinked) 20 mg/mL +PDRN 5 mg/mL +Niacinamide 1 mg/mL
Excipients	NaCl (isotonic), Phosphate buffer (pH 7.0-7.4), optional mannitol/panthenol
Rheology	G' target 30-60 Pa; soft & spreadable through 31-33G
Extrusion Force	6-14 N @31-33G (25°C)
Needle	31-33G (intra-dermal/dermal)
Endotoxin	≤ 0.05 EU/mL (LAL kinetic or rFC), with PPC/MVD
PH	pH 7.0-7.4; 270-330 mOsm/kg
Sterility	Aseptic filling (SAL 10); pass sterility test
Pack	2.2 mL / syringe × 3; 2 needles /syringe
Storage	2-25 °C, protect from light; do not freeze
Indications	Dermal hydration +repair; not for structural contouring



Brightening & Radiance

Reduces dullness and uneven tone for a clearer, more luminous look.



Sensitive-Skin Friendly Safety

Physiologic pH/osmolality and low endotoxin; high-purity sourcing for comfortable injections.



Collagen Stimulation

Activates fibroblasts to increase type I/III collagen,softening fine lines and laxity.



Accelerated Tissue Repair

Promotes cellular renewal and wound healing—ideal post-procedure or for acne marks.



Pore Refinement & Elasticity

Smooths texture, minimizes visible pores, and improves skin firmness.



Deep Hydration Synergy

Works with non-crosslinked HA to boost water content and elasticity.



Efficacy and Mechanism of Action



Deep Hydration and Repair

Redefill is enriched with niacinamide and high-concentration hyaluronic acid, forming a long-lasting hydration barrier within the dermal layer. It instantly increases skin moisture levels, softens skin texture, and activates dermal collagen regeneration pathways. As a result, skin texture is refined, pores appear minimized, complexion becomes brighter, and the skin regains a smooth, radiant appearance.

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Promotion of Cellular Regeneration

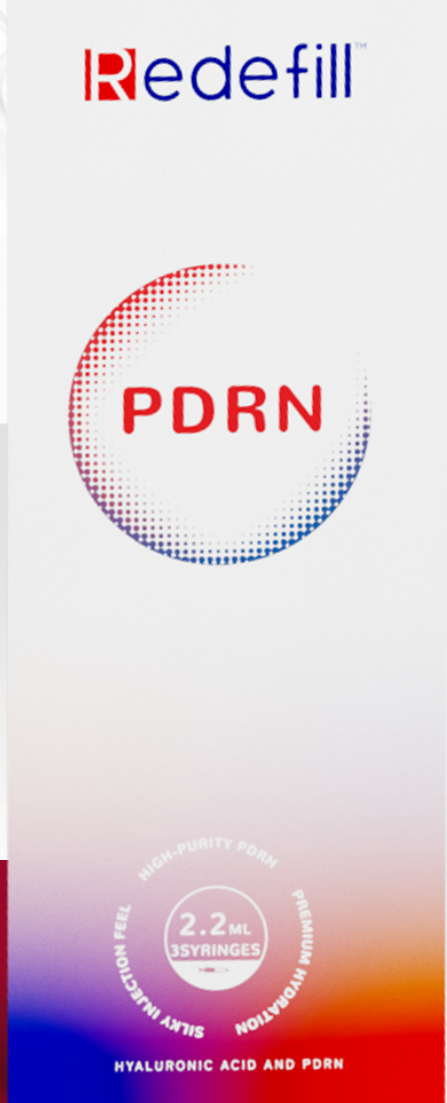
As a powerful regenerative agent, PDRN stimulates fibroblast proliferation and enhances the synthesis of collagen and elastic fibers. This effectively rebuilds the skin's foundational structure, improving elasticity and firmness. Clinical observations indicate that PDRN also helps counteract free radical damage, delay cellular aging, and enhance the skin's self-repair capacity.



Comprehensive Anti-Aging Performance

Through the synergistic action of multiple bioactive ingredients, the formulation reconstructs skin metabolism at the molecular level, enhances action barrier function, and improves cellular turnover. With continued use, it revitalizes skin vitality, delivers sustained firmness and anti-aging benefits, and restores a healthy, youthful glow.

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Why Choose Redefill™

What it is

- A professional skin activator built around high-purity
- PDRN with supportive non-crosslinked HA. Designed for
- clinics that want visible renewal without a heavy filler feel.

Why clinics choose it

- Texture refinement: smoother look and softer fine lines.
- Resilience: healthier tone and bounce with each session.
- Comfort: easy injection handling; gentle on sensitive skin.



How it works

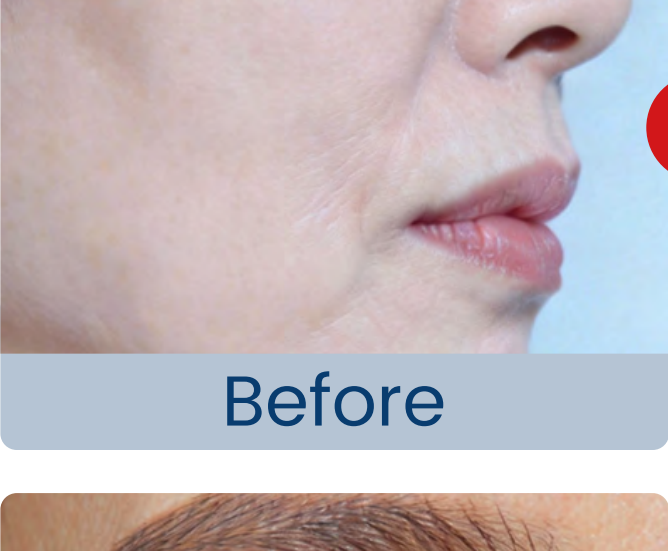
- PDRN signals repair → encourages fibroblast activity and new matrix formation.
- HA maintains water balance → cushions tissue and improves glide during treatment.
- Skin-friendly formulation → buffered to a physiologic range to reduce stinging and reactivity.

Professional use

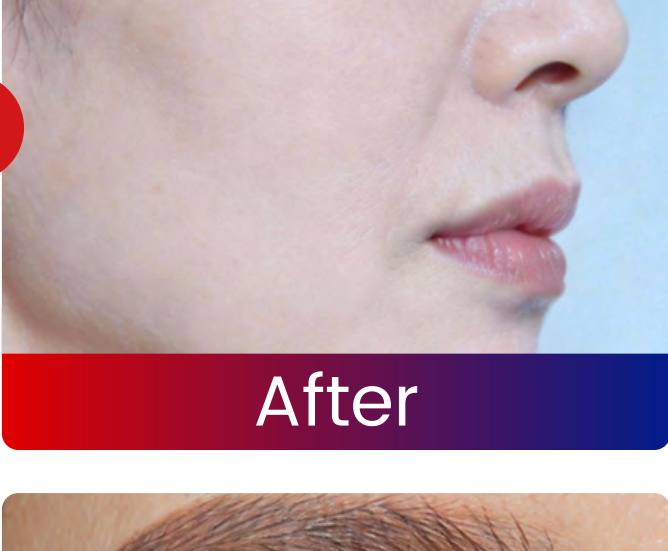
- Apply in micro-deposits within the superficial dermis. Plan 3 sessions spaced 2–4 weeks apart, then maintain every 3–6 months as needed.

- Components: Polydeoxyribonucleotide (PDRN), non-crosslinked hyaluronic acid; optional niacinamide version available. Exact specifications follow COA.

BEFORE & AFTER



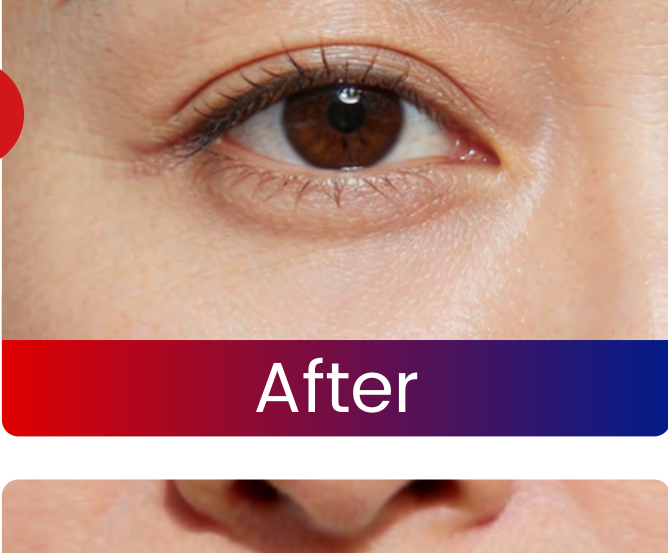
Before



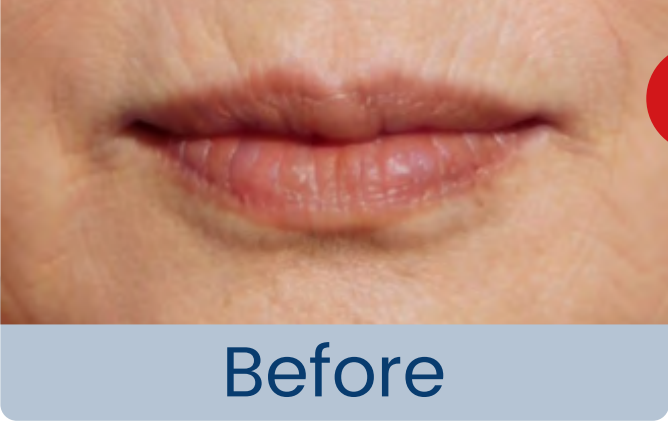
After



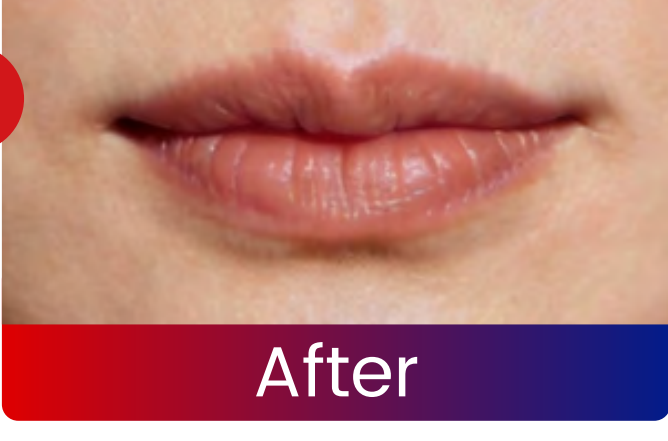
Before



After



Before



After