

Powerful Energy, True Repair

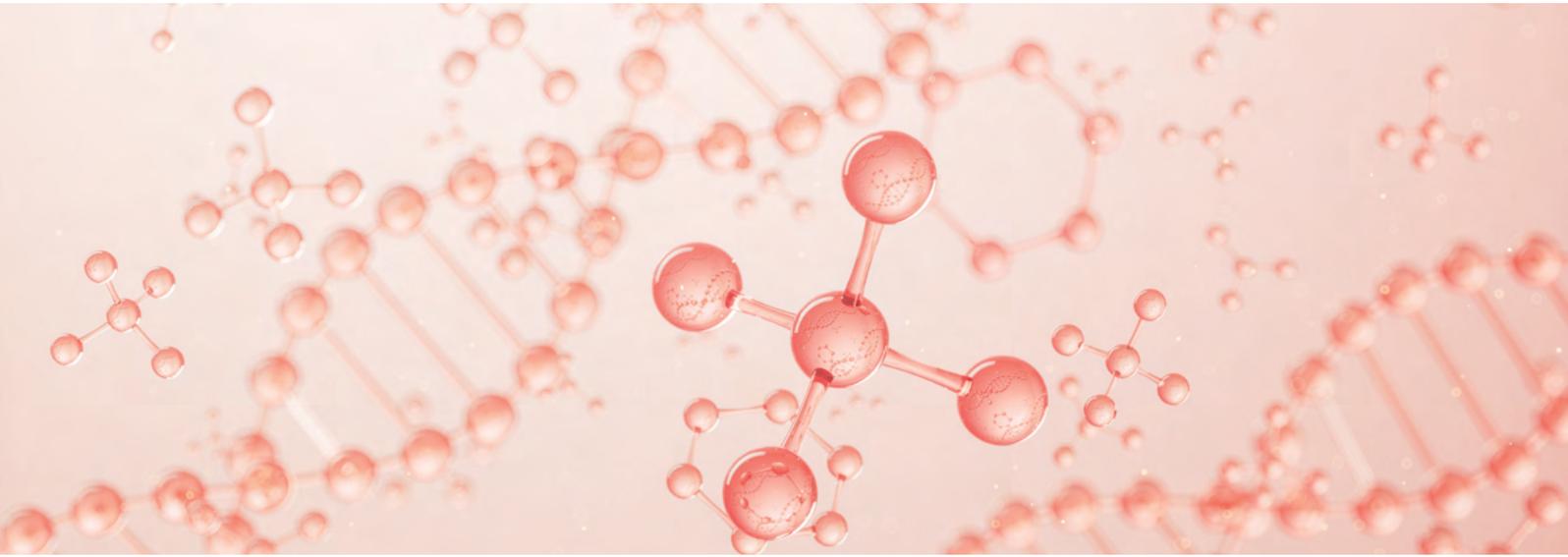
Skin Regeneration
Rejuvenating
Acne Repair

NAD⁺ & PDRN

Subella NAD⁺

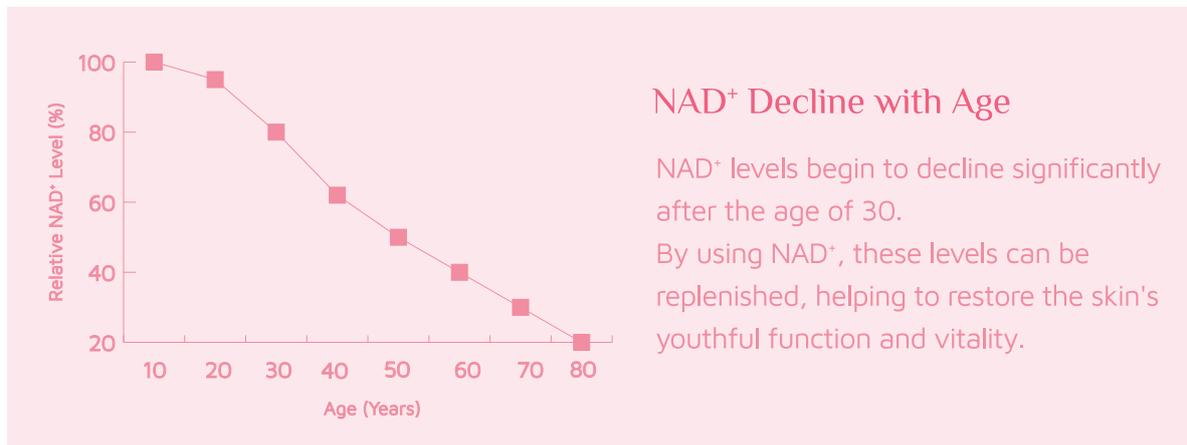


Understanding NAD⁺ and Its Role in Skin Cellular Renewal



NAD⁺ (Nicotinamide Adenine Dinucleotide)

NAD⁺ is a natural coenzyme found in all human cells and derived from Vitamin B3-related compounds. It plays a key role in converting nutrients into energy, acting as the skin cell's energy currency. As levels decline with age, replenishing NAD⁺ helps restore vitality, regeneration, and cellular performance.



PDRN (Polydeoxyribonucleotide)

PDRN is a DNA-based molecule extracted from salmon sperm, structurally similar to human DNA. It promotes skin repair and regeneration by activating fibroblasts and enhancing collagen production. Widely used in regenerative treatments, PDRN helps strengthen the skin's structure and improve healing.

NAD⁺ : The Cellular Energy Molecule in Skin



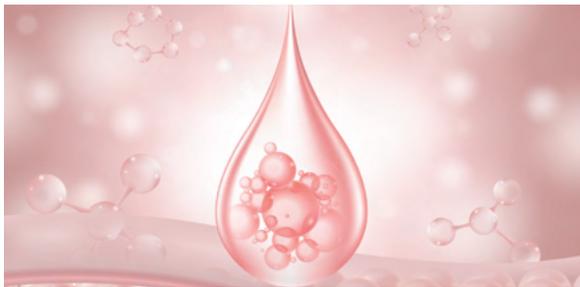
Boosts Cellular Energy

NAD⁺ converts nutrients into ATP, energizing skin cells like fibroblasts and keratinocytes to boost collagen, renewal, and repair-leading to brighter, smoother skin



Enhances DNA Repair

UV rays, pollution, and aging damage skin cell DNA, but NAD⁺ activates PARP enzymes to repair it, reducing mutations and preserving youthful skin



Activates Sirtuins

Sirtuins are NAD⁺-dependent enzymes that control inflammation, oxidative stress, and collagen breakdown - so more NAD⁺ means more active sirtuins, leading to slower aging and stronger skin



Reduces Oxidative Stress

The skin faces constant oxidative stress from UV, pollution, and more, but NAD⁺ boosts antioxidant defenses like glutathione and SOD, helping prevent collagen loss, wrinkles, and pigmentation



Collagen & Elastin Synthesis

NAD⁺-driven energy metabolism and sirtuin activity boost collagen and elastin, resulting in firmer, tighter, and more youthful-looking skin



Improves Skin Barrier

NAD⁺ helps maintain and restore the skin's protective barrier by energizing keratinocytes and supporting lipid synthesis, which enhances moisture retention and shields against environmental damage

Why Combine NAD⁺ & PDRN

NAD⁺ enhances intracellular energy metabolism, while PDRN facilitates tissue regeneration and repair.



NAD⁺ NAD⁺ promotes cellular energy production by generating ATP

PDRN PDRN utilizes ATP to activate regenerative and repair processes

Synergy effect

Dual-Regeneration

NAD⁺ provides cellular energy (**ATP**) to PDRN and boosts DNA repair enzymes (e.g., **PARP**), while PDRN supplies nucleotides to rebuild damaged DNA, working in synergy with NAD⁺ to accelerate **true tissue regeneration**.

Wound Healing & Recovery

PDRN promotes **angiogenesis** and **anti-inflammatory activity**, speeding up post-procedure healing. Combined with NAD⁺, this leads to **quicker visible skin recovery** and **reduced downtime**.

Synergistic Anti-Inflammation

While NAD⁺ reduces oxidative stress by supporting antioxidant pathways (e.g., **glutathione recycling**), PDRN lowers local inflammation via **adenosine A2A receptor activation** - providing **comprehensive protection** and **soothing**.

Enhanced Collagen Synthesis

NAD⁺ activates **fibroblasts** by increasing cellular metabolism; PDRN directly stimulates **fibroblast proliferation**, leading to **greater collagen production** than NAD⁺ alone.

Visible Skin Recovery

NAD⁺ and PDRN synergistically restore the skin barrier, enhance cell regeneration, and improve elasticity - resulting in smoother, firmer, and healthier-looking skin



SKIN ELASTICITY
Increases skin elasticity



IMPROVEMENT OF SKIN PROBLEMS
Increases fibroblast function



COLLAGEN PRODUCTION
Increases skin strength

How to use

1 syringe per treatment

Starting: 3-4 treatments with 2-4 weeks interval

Maintaining: 1 treatment per 2-3 months, after 6 months - 2-3 treatments per year

Amount 0.01-0.05 m L per area

May vary based on patient's condition

Before & After

Patent No.10-2025-0100043

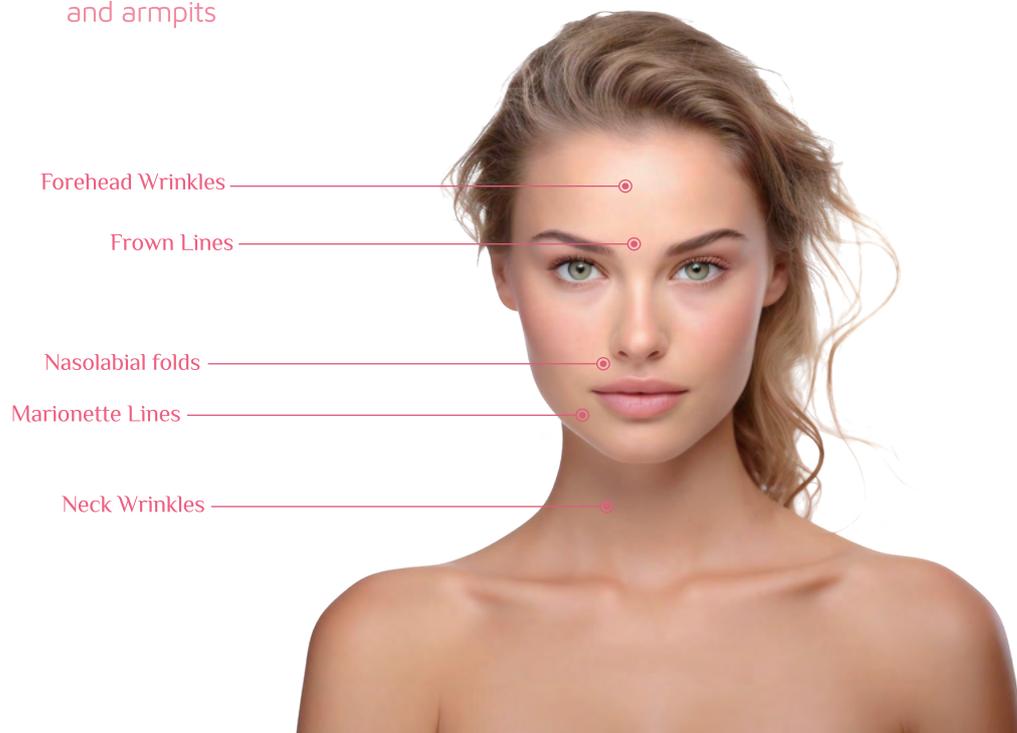


Faster Skin Recovery

Anti-Inflammatory Effect

Indication

- **Wrinkles** : Neck wrinkles, hand wrinkles, nasolabial folds, forehead lines, frown lines, crow's feet and marionette lines
- **Eyes** : Dark circle improvement, eye wrinkles, and eye bags
- **Body**: Wrinkle care, tightening, and brightening of areas such as the hands, knees, elbows, and armpits



Subella NAD⁺

"Subella NAD⁺" is an advanced skin rejuvenation solution that unites the cellular power of NAD⁺ with the regenerative strength of PDRN. NAD⁺ energizes skin cells and supports DNA repair while fueling PDRN's biological activity to enhance tissue renewal and collagen synthesis.

Their synergy activates a multi-layered rejuvenation process, accelerating recovery, strengthening skin structure, and restoring visible vitality.



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