



SARDENYA™ Nucleo with LIODOCAINE

Revolution in Aesthetic Medical Devices

PN(polynucleotide)

Polynucleotide refers to a biocompatible substance derived from DNA that promotes tissue regeneration and stimulates collagen and elastin production. It helps improve skin texture, elasticity, and overall appearance.

What makes it unique?

PN-containing products induce the regeneration of damaged tissues to result in a more natural tissue regeneration.¹ Recent studies demonstrated the efficacy and safety of long-chain polynucleotides injections in dermatology and aesthetic medicine for skin rejuvenation, both over the face and other body areas.²

Acts as a physical support for ECM turnover and renewal.³ Characteristics of both viscosity and elasticity due to its viscoelasticity allow natural-looking results.

1. JH Kim et al. Comparative Evaluation of the effectiveness of novel hyaluronic acid-polynucleotide complex dermal filler. SCIENTIFIC REPORTS. 10:5127 (2020)
2. Maurizio Cavallini et al. Consensus report on the use of PN-HPT™ (polynucleotides highly purified technology) in aesthetic medicine. J Cosmet Dermatol. 20:922-928 (2021)
3. Sree Samanvitha Kuppa et al. Polynucleotides Suppress Inflammation and Stimulate Matrix Synthesis in an In Vitro Cell-Based Osteoarthritis Model. Int. J. Mol. Sci. 24(15) 12282 (2023)



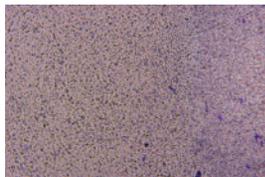
Only Premium Quality Raw Materials

Our PN is manufactured using only the finest salmon milt sourced exclusively from HACCP agencies certified by the Federal Food and Drug Administration (FDA).

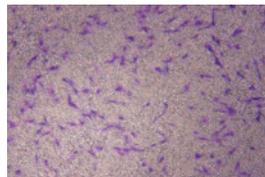
Clinically Proven Efficacy

Maximum Effectiveness with High PN Concentration

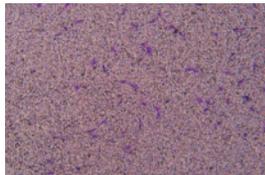
In-vitro tests have demonstrated a strong correlation between the concentration of PN and the corresponding test outcomes. With an elevation in PN concentration, there is a notable enhancement in cell viability and an improved wound healing effect. Similarly, an increase in PN concentration also leads to a more pronounced enhancement in cell migration effects.



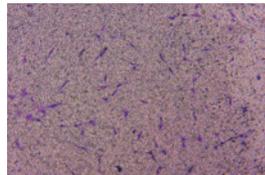
Control



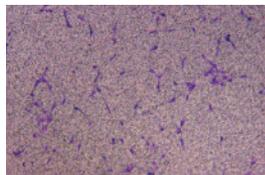
Positive Control (FBS)



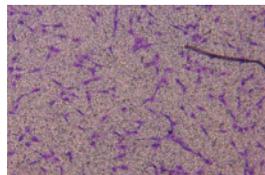
PN 1.3 mg/mL



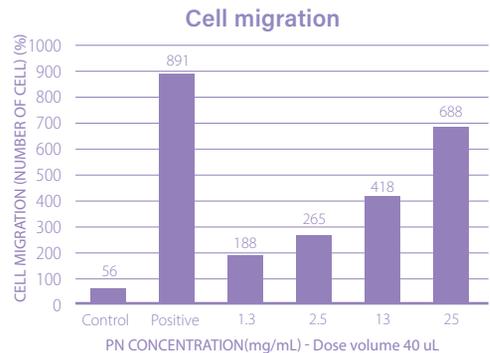
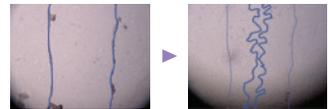
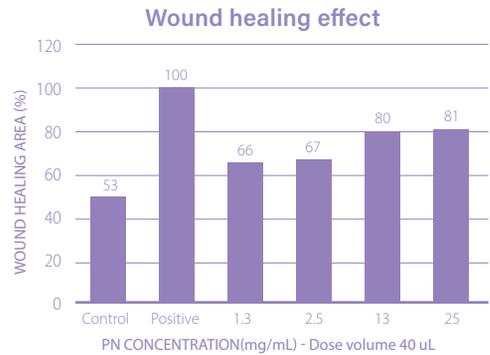
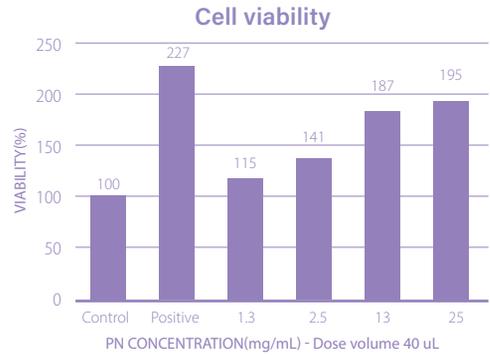
PN 2.5 mg/mL



PN 13 mg/mL



PN 25 mg/mL



High Concentration & Volume

High concentration

As the concentration increases, the PN characteristic improves, resulting in a higher-content product of enhanced quality.

High volume

Each syringe of Sardenya Nucleo contains 2.5 ml of the product, enabling a complete facial treatment to be performed using a single syringe.



Product	SARDENYA Nucleo	Product A	Product B
PN content	25 mg/mL	20 mg/mL	20 mg/mL
Lidocaine content	Lidocaine (3 mg/mL)	None	None
Volume	2.5 mL	2 mL	1 mL

Product	SARDENYA Nucleo Plus	Product A	Product B
PN content	20 mg/mL	10 mg/mL	2 mg/mL
HA content	10 mg/mL	10 mg/mL	Crosslinked 20 mg/mL
Lidocaine content	Lidocaine (3 mg/mL)	3 mg/mL	3 mg/mL
Volume	2.5 mL	1 mL	1 mL

Nucleo Product Line's Main Effects

*Treating Sun
Damage*

*Reducing
Pores*

SARDENYA™ Nucleo
2.5 mL

with **LIODOCAINE**

Polynucleotide

SARDENYA™
NUCLEO

*Smoothing
& Firming*

*Moisturizing
& Hydrating*

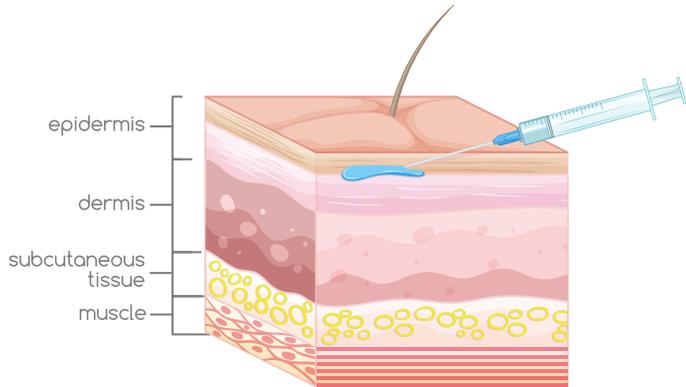
*Brightening
& Revitalizing*

*Boosting
Collagen
Production*

SARDENYA Nucleo Injection Guidelines:

Injection Technique:

- SARDENYA Nucleo is intended for intradermal injections.
- Inject the product in a grid-like pattern, with each injection spaced approximately 0.3 – 0.5 cm apart.
- It is crucial to recognize that individual variations in skin thickness and conditions should be taken into account when customizing the SARDENYA Nucleo treatment protocol, including dosage, injection depth, etc.



Example of Injection Distribution:

When administering 2.5 ml of the product:

Concentrate 1 ml per cheek area (minimum 50 shots, 0.02 ml each). Distribute the remaining 0.5 ml evenly across the remaining areas or on areas that require significant improvement.

* Please note that this injection distribution guideline is an example and can be customized according to individual's skin conditions and needs.



Post-Injection Effects:

After injections, characteristic embossing is normal and may last approximately 1-3 days.

Treatment Schedule:

It is recommended to undergo 2-3 treatments spaced 2-4 weeks apart for optimal results.

* Please note that intervals between treatments may vary depending on individual's skin conditions and needs.

Results are typically observed 2-4 weeks post-treatment. These guidelines aim to provide a comprehensive overview of the injection techniques and considerations for administering SARDENYA Nucleo, ensuring optimal results while taking into account the specific needs and sensitivities of each patient.

SARDENYA Nucleo Product Information



Purpose of Use

Used for temporary improvement on facial wrinkles in adults through physical repair by injecting subcutaneous polynucleotide containing lidocaine. The lidocaine provides pain relief to the patient during the treatment.

Packing Unit

2.5mL x 1syr./Box

Storage

1-30°C

Needle

33G 4mm x 2ea

PN/Lidocaine

25 mg/mL / 3 mg/mL

Purpose of Use

Used for temporary improvement on facial wrinkles in adults through physical repair by injecting subcutaneous polynucleotide and hyaluronic acid containing lidocaine. The lidocaine provides pain relief to the patient during the treatment.

Packing Unit

2.5mL x 1syr./Box

Storage

1-30°C

Needle

30G 4mm x 2ea

PN/HA/Lidocaine

20 mg/mL / 10 mg/mL / 3 mg/mL

SARDENYA™

Nucleo



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