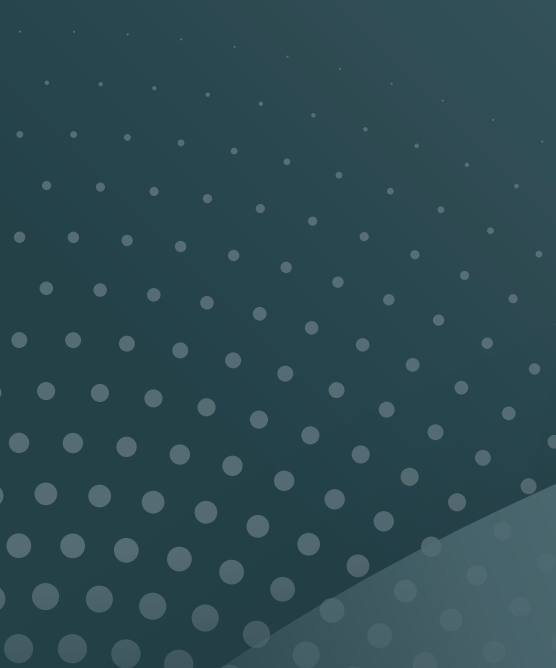




# Phormæ

Improved Bio-Stimulation





# New Horizons

Skin aging, both physiological and photo-induced, occurs with loss of deep hydration, wrinkles, hyperpigmentation of various types, alteration of the amorphous component of the dermis.



This complex phenomenon is characterized by a pronounced presence of free radicals, and it will manifest itself with a marked decrease in concentration of hyaluronic acid, the main hydrating cutaneous factor, and the other important proteins of the connective tissue (collagen, elastin, fibronectin).

The new trends regarding rejuvenation require the overcoming of the commonly used protocols and methods.

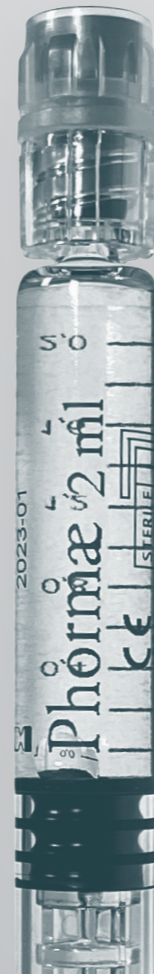
The high technological specialization of our laboratories allowed us to fully integrate cutting-edge technologies to create solutions able to target multiple and differentiated goals, with specific actions of deep rehydration and revitalization of metabolic and vascular activities of the dermo-epidermal structure.



Phormae is an advanced solution for skin bio-stimulation, based on linear, non-crossed-linked hyaluronic acid. With Phormae a new generation bio-revitalizing program, capable of delivering great results, comes to life.

**Phormae features:**

- Selective Spectrum Technology
- Hyaluronic acid fragments
- Pharma grade hyaluronic acid



# Selective Spectrum Technology

This unique technology allows to highlight a spectrum of different hyaluronic acid molecular weights, instead of a specific one.

Spectrums are “sets” of various molecular weights with different spatial arrangements.

Using a wider size range, hyaluronic acid can exert multiple functions in the skin and could be utilized for several therapeutic targets.



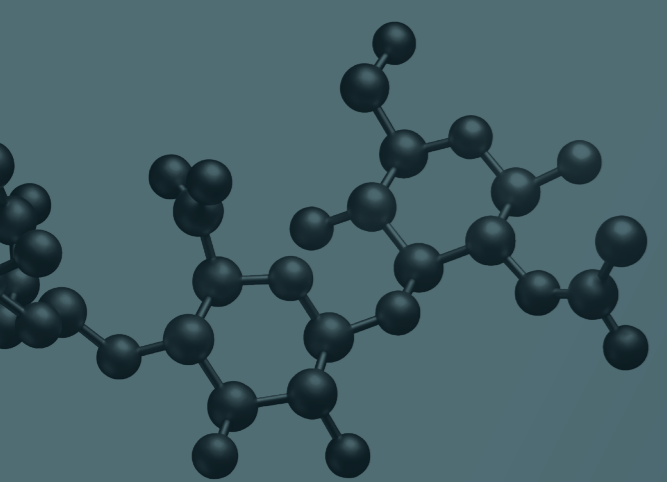
# Hyaluronic Acid Fragments



The fragments in Phormae range from 20 to 38 monomers, corresponding to a molecular weight of approximately 1.3 Mda.

This size range is ideal to **deeply enhance skin hydration, restoring an optimal, physiological turgor**, while also stimulating CD44 receptors on fibroblasts leading to **new collagen type III formation**.

VEGF-mediated local vascularization and angiogenesis is enhanced too, accelerating oxygenation in the dermis.



# Pharma Grade Hyaluronic Acid

PHORMAE features **a pharma grade hyaluronic acid**: the purest molecule of its kind, with the lowest level of endotoxins that you could find.

The purity of the raw materials is coupled with high-tech and top quality manufacturing, **carried out in Italy in compliance with the highest quality standards**.



# Phormae

Improved Bio-Stimulation



## Phormae is intended for:

- Skin bio-stimulation and skin revitalization
- Deep Hydration
- Collagen type III formation

Phormae is a sterile, resorbable and isotonic intradermal gel.

Phormae is based on a hyaluronic acid sodium salt with molecular weight  $1.3 \times 10^6$  Dalton, made from bacterial bio-fermentation of Streptococcus Equi with a concentration of 20 mg/ml in a physiological buffer.

# How to use Phormae

- PHORMAE can be injected using all the techniques commonly used for bio-stimulation.
- PHORMAE can be injected with either needle or cannula, in all the areas of the face, neck, hands and décolleté.
- A yearly protocol of 4 treatments with a 15-day interval, followed by recalls every two months is advised.



# Main Bibliography

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# Analytical Specification

Tests / Characteristics	Tolerance Limits	Test Method
Identification	Complies	Eur. Ph. Monograph 2011: 1472
Assay for Sodium Hyaluronate	18.0 – 21.0 mg/ml	Eur. Ph. Monograph 2011: 1472
Molecular Weight	1.3 MDa	Eur. Ph. Monograph 2011: 1472
Intrinsic Viscosity	1.9 – 3.2 m <sup>3</sup> /kg	Eur. Ph. Monograph 2011: 1472 – 188 Q&Q
Appearance of Solution	Clear Abs <sub>600</sub> ≤ 0.01	Eur. Ph. Monograph 2011: 1472
pH	6.8 – 7.6	Eur. Ph. Monograph 2011: 1472
Sterility	Sterile	Eur. Ph. 2.6.1
Endotoxins Test	< 0.5 EU/ml	Eur. Ph. 2.6.14 Method D



NGH  
NEXT GENERATION HYALURONICS



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NEXT GENERATION HYALURONICS

