

The background of the entire page is a complex, abstract molecular structure. It consists of numerous interconnected hexagonal and pentagonal rings, some of which are highlighted in a dark blue color, while others are in a lighter, greyish-blue. The structure is composed of dots representing atoms and lines representing bonds, creating a sense of depth and complexity. The overall design is clean and modern, typical of a scientific or medical publication.

pbo serum

M E D I C A L

catalogue

pbserum
M E D I C A L

**Is a new and innovative
line of aesthetic products**
specially intended for
aesthetic medicine
professionals and produced
by **Proteos Biotech**
laboratories with 100%
Spanish technology

We are certified by:

AEMPS as manufacturer of
class III injectable medical de-
vices.

We are audited by:

BSI and **KIWA**



Proteos Biotech biotechnology laboratories are at the forefront of development and production processes regulated by and based on high safety standards and with top quality certified ISO 13485, which means we are qualified to manufacture and market Class III medical devices.

*“pbserum MEDICAL
meets the highest
quality criteria.”*

bsi.



ISO
13485
Medical Devices
Quality
Management

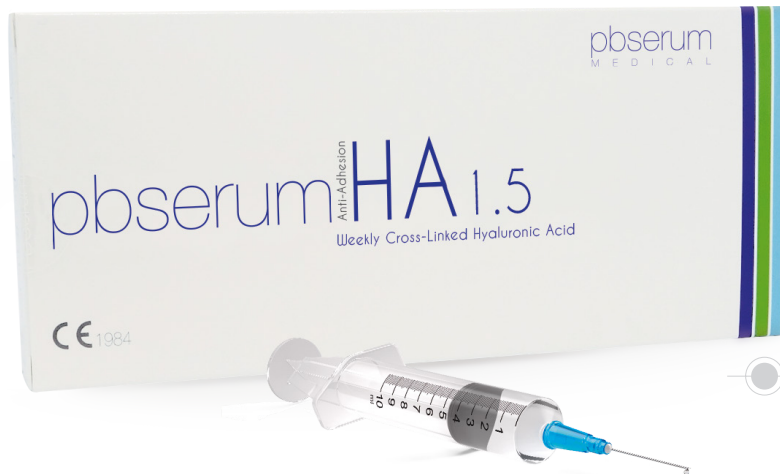
pbserum HA 1.5

Weakly Cross-linked Hyaluronic Acid
Anti-Adhesion

pbserum HA 1.5 is a special type of slightly reticulated HMWHA (**H**igh **M**olecular **W**eight **H**yaluronic **A**cid) which has been specifically designed for the **treatment** and **prevention** of **FIBROSIS**.

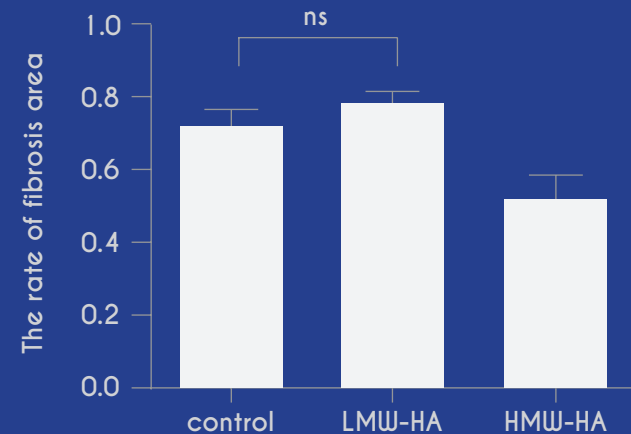
It has anti-inflammatory and regenerative properties and stimulates the reshaping of collagen fibers in damaged tissues.

Thanks to its unique characteristics, it is used to fight against the hyper-proliferation of fibroblasts, inhibit pro-fibrotic factors and stimulate the reorganization of the collagen matrix in the dermis, being this product the basis of our treatment.



Effect of high molecular weight hyaluronic acid in Fibrosis

Evolution of **Fibrosis** in animal model



Slightly reticulated HMWHA

with **CE** marking

Volume: **1.5 mL**

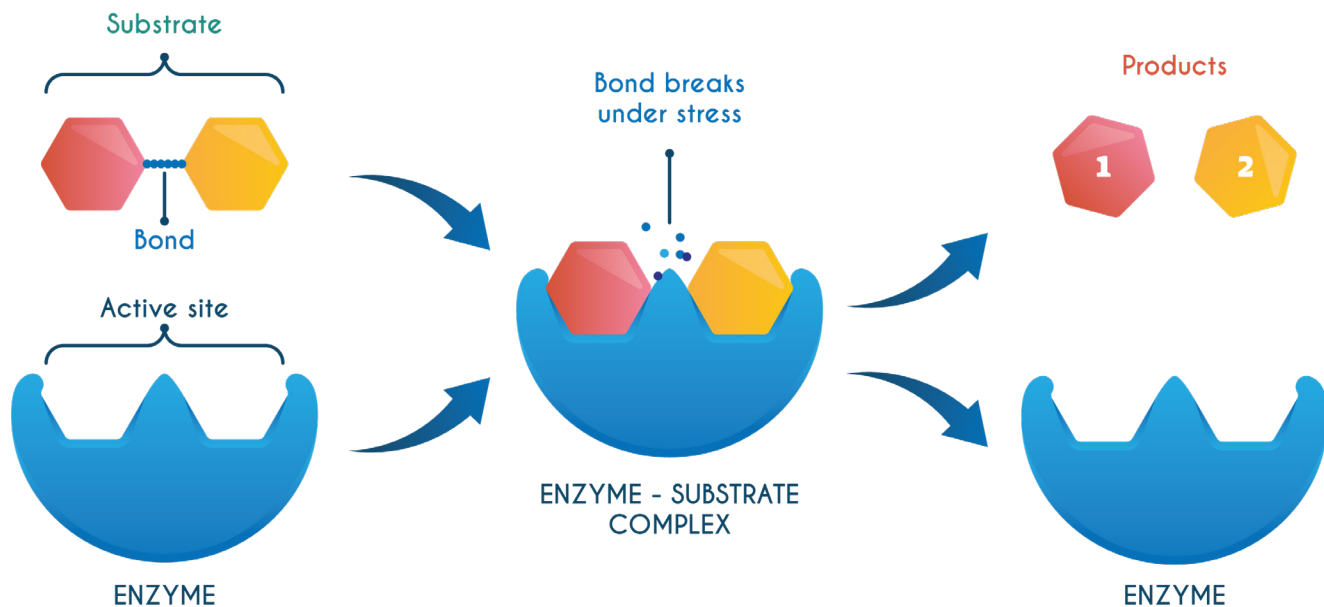
Concentration: **8 mg/mL**

ENZYMATIC REAGENTS



Our **enzymatic reagents** are a combination of **lipase, collagenase and lyase**, which are designed for advanced cell therapy and can be used as adjuvants of **pbserum HA 1.5** in the treatment of different **fibrosis-related** pathologies.

Enzymes are proteins that exist in our body and selectively catalyze metabolic processes, responsible for the formation and breakdown of compounds.



All the **enzymes** produced by **Proteos Biotech** are recombinant proteins, obtained by means of genetic engineering, making a specific bacteria synthesize the desired protein in controlled conditions. These proteins are highly selective (each one acts on a specific substrate) and hypoallergenic due to their high purity and simpler structure.

Lipase:

Realizes the breakdown of triglycerides into glycerol and free fatty acids, reducing the adipocyte volume, without harming the adipocyte or surrounding tissue.

Collagenase:

Degrades wrongly shaped collagen fibers and stimulates the fibroblast to synthesize new collagen fibers.

Lyase:

Degrades proteoglycans in the extracellular matrix, reducing liquid retention and improving tissue permeability.

high

Special for treating resistant fibrosis processes, such as all types of scars, post-surgical fibrosis or cellulite.

medium

Helps eliminate fat accumulations associated with fibrosis.

low

Contributes in reducing fluid retention in fibrotic processes involving oedema.

Post
surgical
fibrosis

Scars
(hypertrophic,
atrophic,
keloid)

Skin grafts
in burned
patients

Stretch
marks

Orange
Skin

Fibrosis
with fat
excess

Lipomas

Oedema
associated
with fibrosis

Periocular
bags

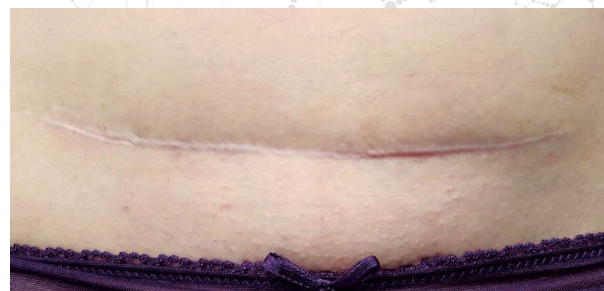
Flaccidity



pbserum
MEDICAL



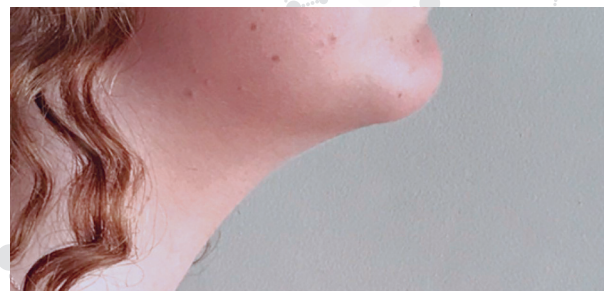
Before



After



Before



After



Before



After

Case HIGH ENZYMATIC REAGENTS

Post-caesarean scar. 1 session.

Courtesy of Dermatic (Poland)

high

Case MEDIUM ENZYMATIC REAGENTS

Double chin. 1 session.

Courtesy of Medicalio (Spain)

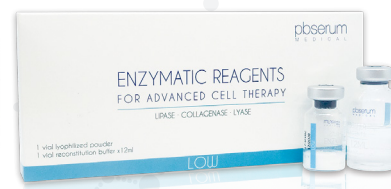
medium

Case LOW ENZYMATIC REAGENTS

Eye bags. 1 session.

Courtesy of Dermatic (Poland)

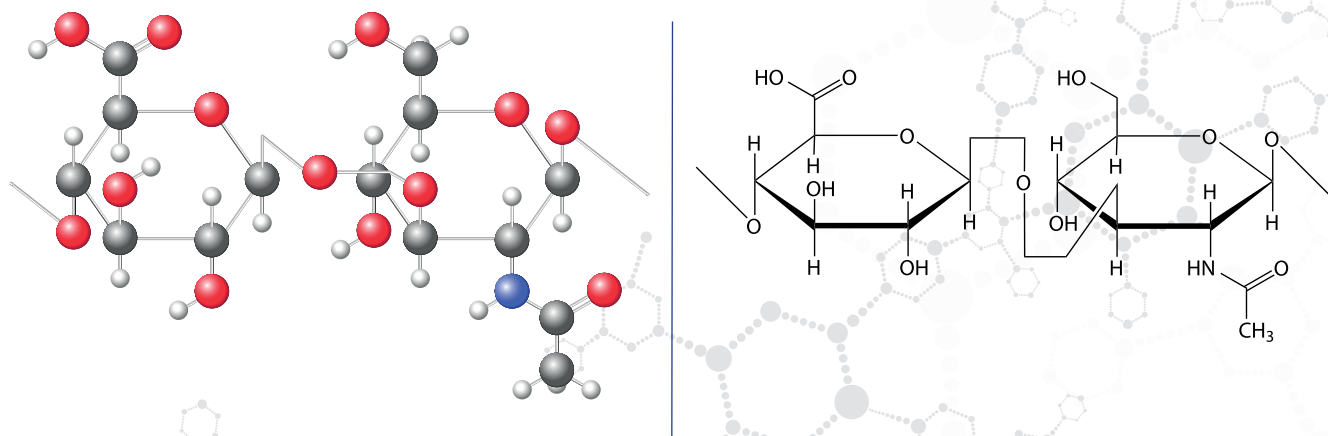
low



HA

Filler Corrector

Specific recombinant Hyaluronidase manufactured by Proteos Biotech, an enzyme that breaks down the bond in hyaluronic acid molecules, used to dissolve Hyaluronic Acid Fillers.



Our hyaluronidase in lyophilized powder comes in two different presentations:

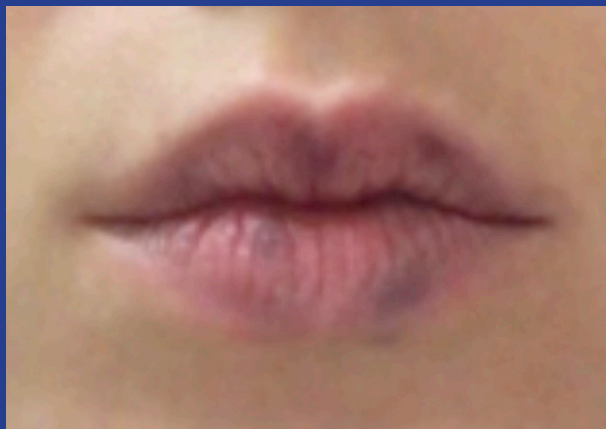
HA PARTIAL CORRECTOR: 2 μ kat of hyaluronidase, to reconstitute in 1mL of sterile saline solution, designed to partial filler removing, to correct form or volume.

HA TOTAL CORRECTOR: 25 μ kat of hyaluronidase, to reconstitute in 1mL of sterile saline solution, designed to total filler removing, in case of adverse reactions.

Before



After



Case HA Filler Corrector

Removal of HA filler in lips. 1 session (8 hours after).

Courtesy of Dra Marisol Ramírez (México)





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