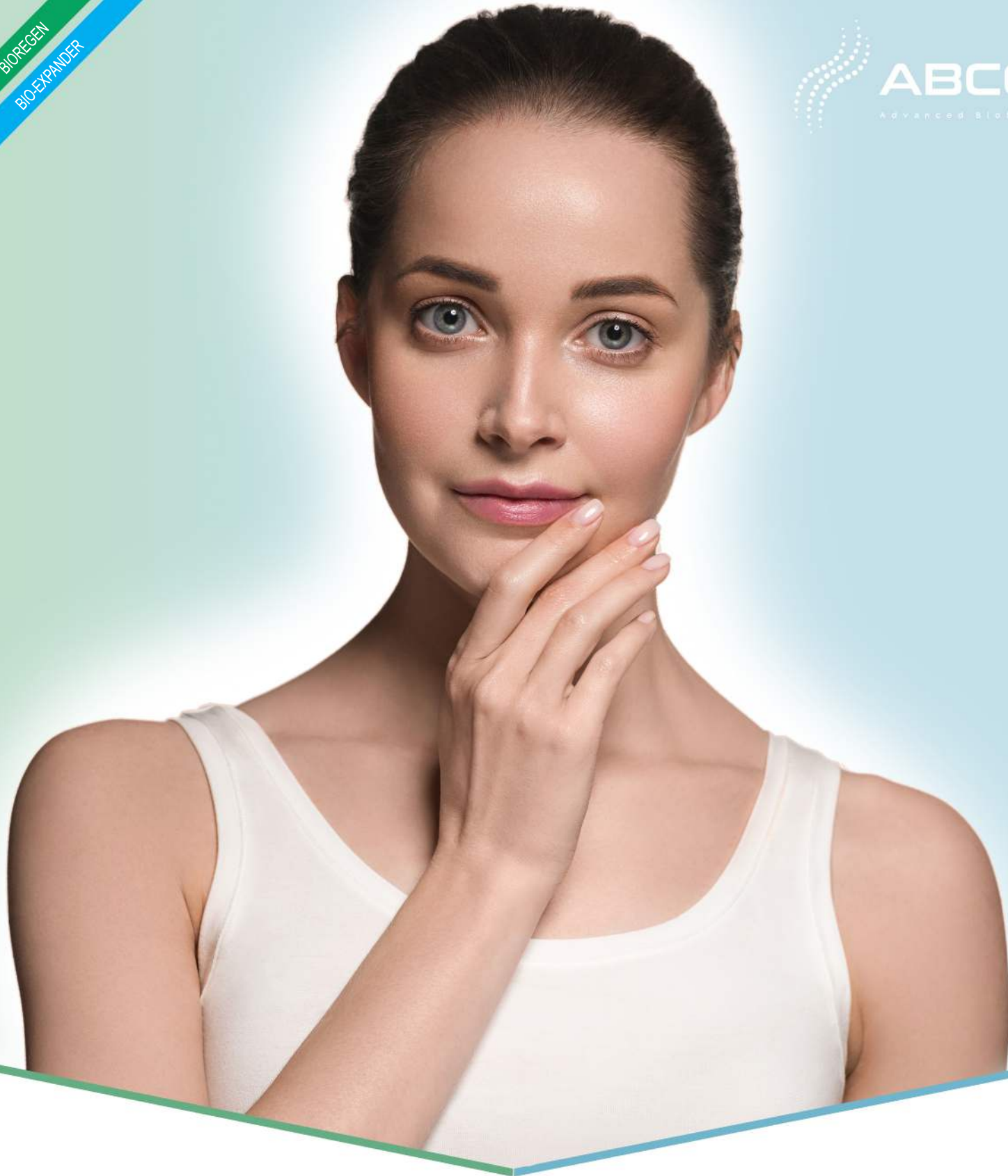


BIOREGEN
BIO-EXPANDER



ABCO
Advanced Biotech



Reganal Mix

TWO PRODUCTION TECHNOLOGIES
BIORIVOLUMETRIA + MULTIFRACTIONAL BIO-INDUCTION

≈REGENYAL
LABORATORIES

Regenyal Mix



BIORIVOLUMETRIA

+

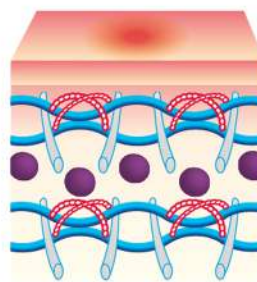
**MULTIFRACTIONAL
BIO-INDUCTION**



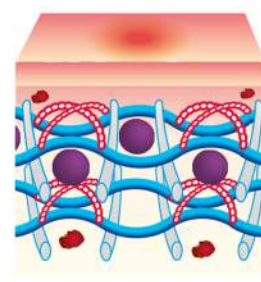
MADE IN ITALY

INTERCALATED FREE HYALURONIC ACID

1 One cross-linked layer alternates with one free layer



2 The intercalated HA is protected from enzymatic degrading and is released slowly



HA 2M Dalton



HA 1M Dalton



BDDE



Enzyme



Free HA

REGENYAL mix is the FIRST medical device of the Regenyal Idea line made with TWO production technologies: BIORIVOLUMETRIA and MULTIFRACTIONAL BIO-INDUCTION. This means that linear hyaluronic acid, before the intercalation process, is further divided into 5 fractions of different molecular weight, greatly enhancing the restructuring and regenerating action of the product.

TWO PRODUCTION TECHNOLOGIES

BIORIVOLUMETRIA

PHASE 1

Cross-linking two different molecular weights of HYALURONIC ACID (HA 2 Million Dalton + HA 1 Million Dalton) results in a 3D matrix with optimized viscosity.

PHASE 2

The intercalation process involves the formation of crosslinked layers alternating with linear free HYALURONIC ACID layers during the production phases.

PHASE 3

The intercalated HYALURONIC ACID is protected against enzymatic degradation and slowly released.

**SMALL PARTICLE
SIZE
(1 - 3 µm)**

**BETTER INTEGRATION AND
DIFFUSION IN THE
TISSUES**

**NATURAL CORRECTIVE
EFFECT**

**30% LESS THAN BDDE
COMPARED TO COMMON FILLERS
OF EQUAL VISCOSITY**

+

MULTIFRACTIONAL BIO-INDUCTION

3 ACTIONS - 5 MOLECULAR FRACTIONS

LOW MOLECULAR WEIGHT

OLIGOMERIC FRACTION
2 K DALTON

REGENERATING ACTION

MEDIUM MOLECULAR WEIGHT

500 K DALTON / 200 K DALTON
100 K DALTON

RESTRUCTURING ACTION

HIGH MOLECULAR WEIGHT

1 MILLION DALTON

**MOISTURIZING AND
ANTI-RADICAL ACTION**

REGENYAL
LABORATORIES

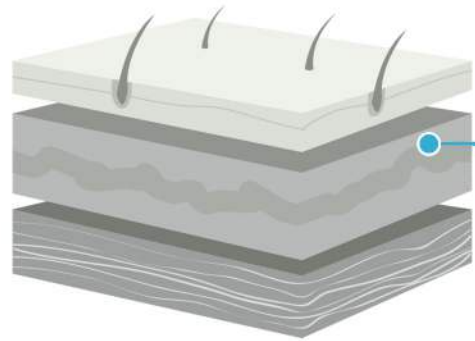
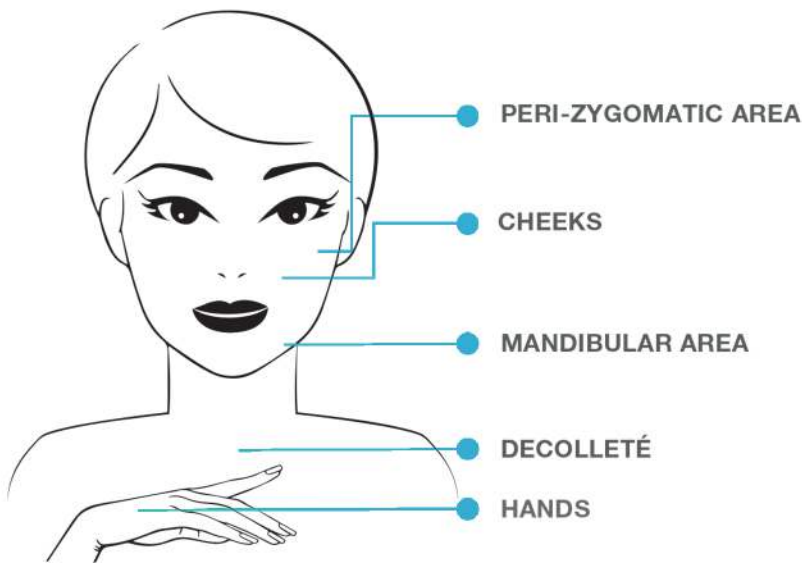
Reganal Mix

ACTION



HIGH LEVEL OF RESTRUCTURING















RECOMMENDED INDICATIONS



Injected into the dermis, the product will improve the skin in terms of **elasticity, hydration, turgor, stimulation** and **recovery** of the tissues.

Regenyal Mix

COMPARATIVE TECHNICAL SHEET

		
		NEW
	Technology	BIOVOLUMETRIA + MULTIFRACTIONAL BIO-INDUCTION
	Molecular Weight	CROSS-LINKED HA (1M DALTON + 2M DALTON) + 10% LINEAR INTERCALATED MULTIFRACTIONATED HA (2K DALTON + 100K DALTON + 200K DALTON + 500K DALTON + 1M DALTON)
	BDDE	● ● ○ ○ ○
	HA Concentration	25 + 16 mg/ml
	Duration	4/5 MONTHS
	Dosage	1.1 ml + 1 ml
	Action	HIGH LEVEL OF RESTRUCTURING and hydration
	Package	3 X 1.1 ml + 3 X 1 ml
	Needle	3 NEEDLES 33G X 4mm + 26G X 13mm
	Cannula	1 CANNULAE 27G X 37mm
	Patent	N. 102018000006127 / N. 0001408222

MADE IN ITALY



Informational material for physician