



pbserum  
COSMECEUTICALS



pbserum  
s m a r t k e r

Discover the power  
of enzymes

# pbserum

s m a r t k e r

Unique Keratinase-based smart facial line

- Skin-friendly enzymatic cell renewal treatment
- Effective ally that enhances up to four times the penetration of other active ingredients
- Easy and versatile to apply in synergy using equipment and other procedures



# Keratinase PB333

An enzyme that specifically cleaves the peptide bonds of the structural chains of globular keratin

## Ease of skin penetration

It creates channels that allow the penetration of the active ingredients into deep layers of the skin.

## Selective technology

Recognizes the skin's needs and acts where the skin needs it.



## Cell renewal

Removes excess dead cells in the stratum corneum without damaging or irritating the skin. Naturally promotes cell renewal.

# Clinical evidence for keratinase



## Clinical study 1

Conducted to analyze the permeability increase

## Clinical study 2

Developed to assess cell renewal

## Clinical study 3

Designed to determine treatment efficacy

# Conclusions of studies



## Security

No adverse effects at higher doses



## Efficacy

Acts selectively on the water-soluble globular keratin of the extracellular matrix

Increases the separation between corneocytes

Asset retention



Increases asset retention by up to 9 times

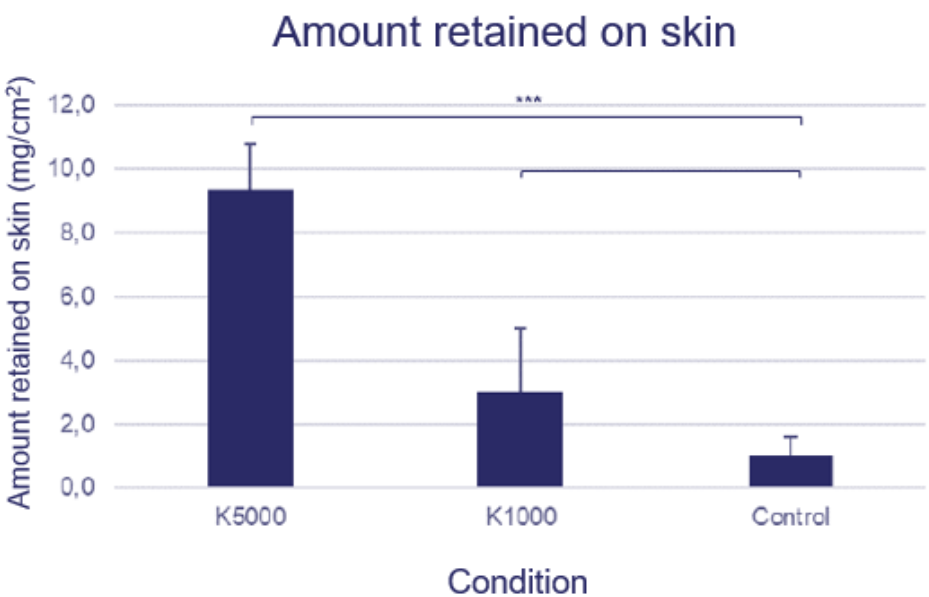
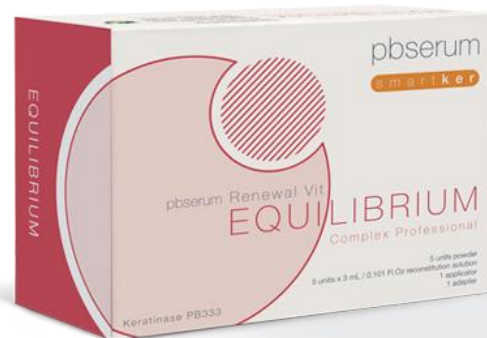


Figure 2. Mean value of the amount of sodium ascorbate retained in skin

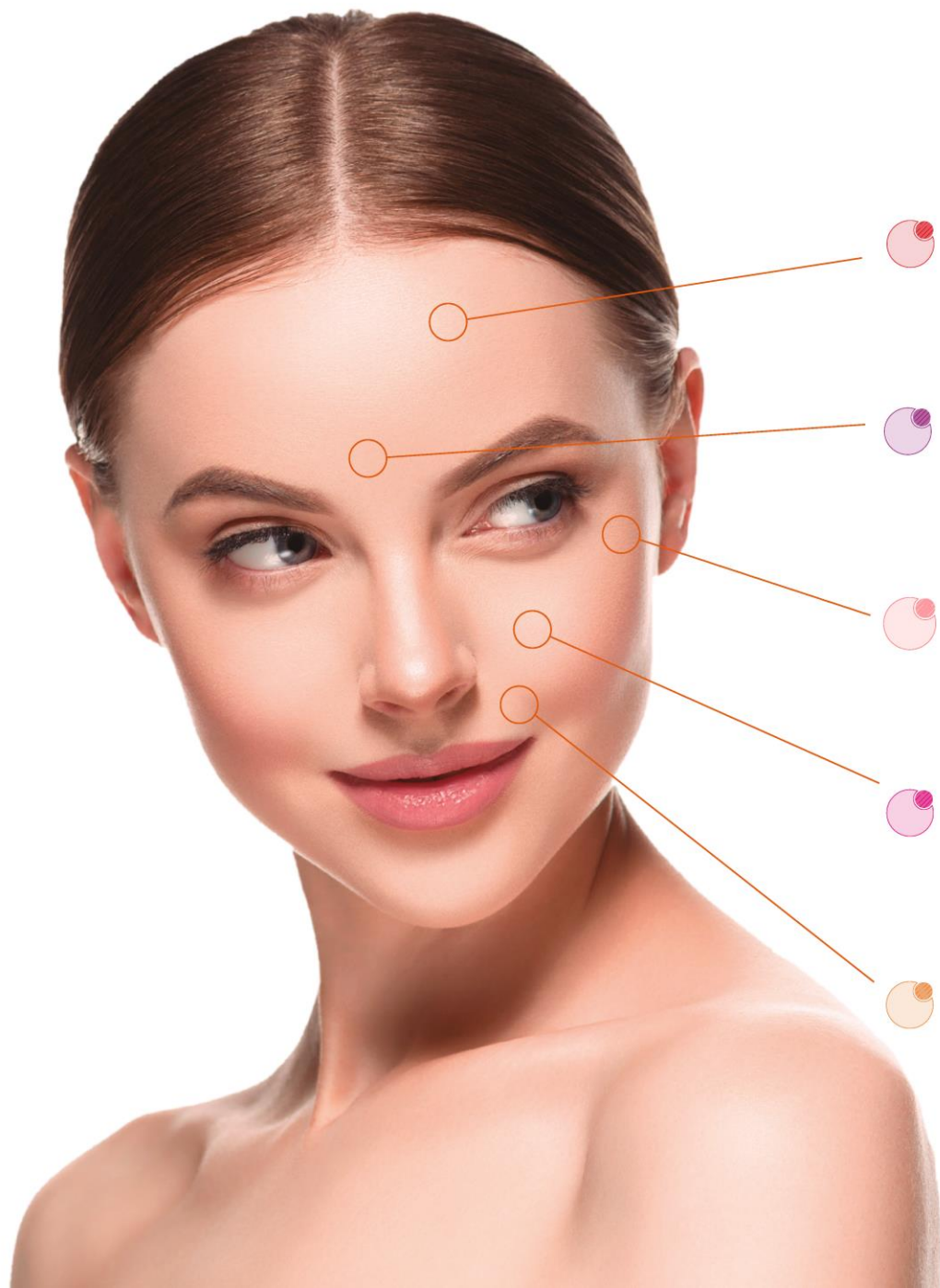
# pbserum

smartker



smarter

Applications



Equilibrium  
Chronoageing



Hyaluronic  
Moisture deficiency



Radiant  
Hyperpigmentation



Multivit  
Dermosebaceous regulation  
and acne prone skin



Firmness  
Loss of firmness

pbserum

smartker

HYALURONIC



# Active ingredients and indications

## Keratinase PB333

- 1 Increases skin permeability and improves the retention of other active ingredients
- 2 Eliminates excess dead cells by promoting a renewal of the superficial layers of the skin
- 3 Improves skin texture

## Hyaluronic acids HMW and LMW

- 1 Promotes deep and superficial hydration of the skin
- 2 Fills wrinkles and fine lines and improves radiance
- 3 Improves skin barrier function



*Dehydration*



*Visible expression  
lines*

# pbserum Hyaluronic



Before



After



Before



After




pbserum

smarter

R A D I A N T



# Active ingredients and indications

Keratinase PB333	Vitamin C 20%	Hyaluronic acid HMW
<ul style="list-style-type: none"><li>1 Increases skin permeability and improves the retention of other active ingredients</li><li>2 Eliminates excess dead cells by promoting a renewal of the superficial layers of the skin</li><li>3 Improves skin texture</li></ul>	<ul style="list-style-type: none"><li>1 Powerful antioxidant</li><li>2 Inhibits melanin synthesis, thereby decreasing pigmentation and increasing skin luminosity</li><li>3 Cofactor in the synthesis of collagen and provides firmness</li></ul>	<ul style="list-style-type: none"><li>1 Maintains skin hydration by promoting balance in the hydrolipidic film</li></ul>
 <i>Dull skin</i>	 <i>Hyperpigmentation</i>	 <i>Uneven tone</i>

# pbserum Radiant



Before



After



Before



After

pbserum

smartker

# EQUILIBRIUM



# Active ingredients and indications

## Keratinase PB333

- 1 Increases skin permeability and improves the retention of other active ingredients
- 2 Eliminates excess dead cells by promoting a renewal of the superficial layers of the skin
- 3 Improves skin texture

## Vitamin A

- 1 Antioxidant and anti-inflammatory
- 2 Protects against aging
- 3 Reduces pigmentation and the appearance of spots.

## Vitamin C

- 1 Powerful antioxidant that protects against UV radiation
- 2 Prevents hyperpigmentation
- 3 Cofactor in the synthesis of new collagen fibers.

## Vitamin E

- 1 Powerful antioxidant that protects against UV radiation

## Hyaluronic acid HMW

- 1 Effective surface hydration



*Chronoageing*



*Irregular texture  
and imperfections*

# pbserum Equilibrium



Before



After



Before



After

pbserum

smartker

FIRMNESS



# Active ingredients and indications

## Keratinase PB333

## Collagenase GH PB220

## DMAE

## Vitamin C

## Hyaluronic acids HMW and LMW

- 1 Increases skin permeability and improves the retention of other active ingredients
  - 2 Eliminates excess dead cells by promoting a renewal of the superficial layers of the skin
  - 3 Improves skin texture
- 1 Degrades old, non-functional collagen fibers
  - 2 Stimulates the synthesis of new fibers
  - 3 Remodeling of the collagen matrix

- 1 Natural antioxidant
- 2 Increases muscle tone
- 3 Increases skin elasticity and firmness

- 1 Powerful antioxidant that protects against UV radiation
- 2 Prevents hyperpigmentation
- 3 Cofactor in the synthesis of new collagen fibers

- 1 Promotes deep and superficial hydration of the skin
- 2 Fills wrinkles and fine lines and improves radiance
- 3 Improves skin barrier function



Facial flaccidity



Loss of firmness  
and elasticity



Dull skin



Anti-aging

# pbserum Extreme Firmness



Before



After



Before



After

pbserum

smartker

MULTIVIT



# Active ingredients and indications

Keratinase PB333	Lipase PB500	Vitamin complex B	Hyaluronic acid HMW
<ul style="list-style-type: none"><li>1 Increases skin permeability and improves the retention of other active ingredients</li><li>2 Eliminates excess dead cells by promoting a renewal of the superficial layers of the skin</li><li>3 Improves skin texture</li></ul>	<ul style="list-style-type: none"><li>1 Breaks down triglycerides into glycerol and free fatty acids</li><li>2 Improves sebum composition</li><li>3 Reduces pore size</li></ul>	<ul style="list-style-type: none"><li>1 Antioxidant</li><li>2 Repairs the skin barrier and restores skin damage</li><li>3 Optimizes skin hydration</li><li>4 Reduces inflammation</li><li>5 Inhibits the formation of post-inflammatory pigmentation</li></ul>	<ul style="list-style-type: none"><li>1 Promotes skin surface hydration while maintaining a good barrier function</li></ul>
 <i>Oily and acne-prone skin</i>	 <i>Enlarged pores</i>	 <i>Altered tallow</i>	 <i>Altered hydrolipidic film</i>

# pbserum Multivit



Before



After

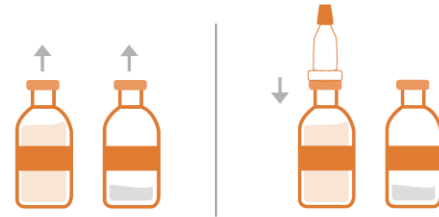


Before



After

# RECONSTITUTION



1. Uncap both vials and place the dispenser in the reconstituting liquid vial












2. Pour the reconstituting liquid into the lyophilized vial, cap and shake



3. Uncap the vial, place the dispenser and apply the product

## Application, frequency and number of sessions

Products	 Hyaluronic	 Radiant	 Multivit	 Equilibrium	 Extreme Firmness
Preparation and reconstitution	In 3ml of reconstituting liquid included in the box				
Frequency and number of sessions	The product should be applied once a week. For optimal results, 5 sessions are suggested.				
Application	 Manual				In synergy with appliances or other procedures.
Zone	In face 	Neck and neckline 			



Specific and safe



Low immunogenic potential



Synergy with other procedures



Gentle on the skin



Tool to improve skin quality

THANK YOU FOR BELIEVING  
THANK YOU FOR CREATING

