



# PHILLEX™

PHILLEX™ – is a new generation of intradermal fillers based on stabilized hyaluronic acid of non-animal origin.

PHILLEX™ – due to the innovative production method, it became possible to obtain spherical molecules of hyaluronic acid with higher-order and dense grid.

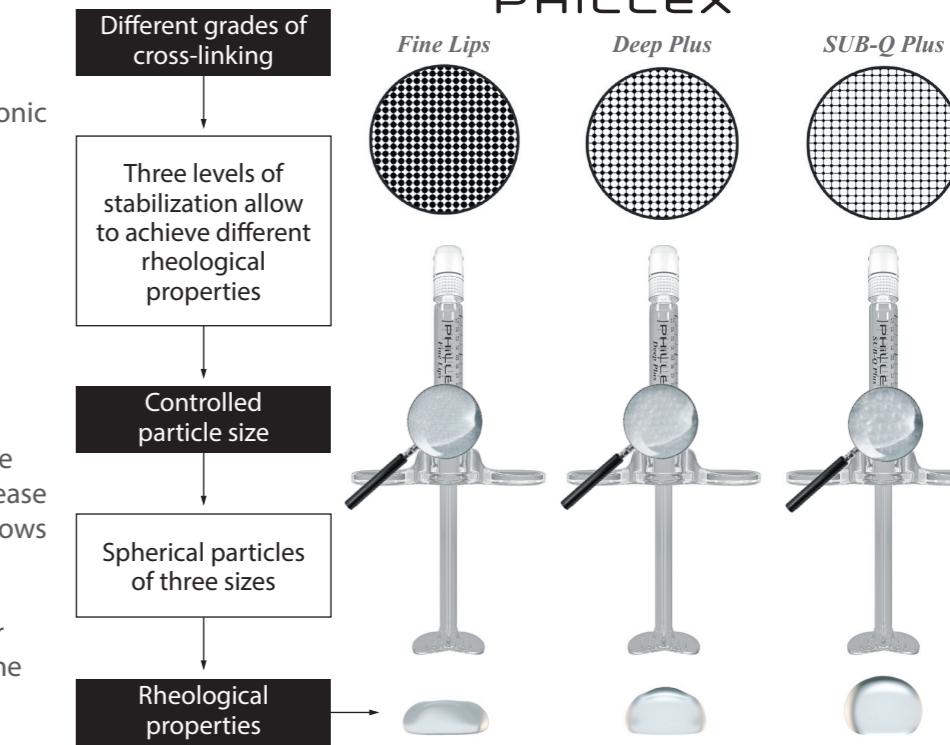
PHILLEX™ – is the first medical product with spatial ordering of molecules of hyaluronic acid (4D-matrix technology). Due to the production technology of spherical molecules, PHILLEX™ not only removes skin defects but also allows to resist the compression load, creates a «spring» effect, that consequently results in greater facial tissues lifting.

PHILLEX™ – showed its efficacy and safety, proved by a series of comparative clinical studies conducted with Restylane (Qmed, Sweden)

## Advantages:

- 1. Maximum efficacy** based on a high percentage of defect correction and patient satisfaction, proved by clinical studies.
- 2. Duration of result** through stabilized highmolecular hyaluronic acid of spherical shape (from 12 till18 months).
- 3. Safety** – an opportunity to avoid undesirable side effects, complete biodegradation, hypoallergenicity, endotoxin level less than 0.05 UE/g.
- 4. Minimal tissue damage** due to a high plasticity of fillers. Patients prefer fillers where tissue damage is minimal.
- 5. Thixotropy** – a filler consists of spherical molecules, so when the pressure in the syringe increases, the hyaluronic acid particles decrease in volume, and inside the tissues restore their volume. This effect allows the doctor to control the injection during the entire procedure.
- 6. Painlessness** – relative painlessness is achieved due to the laser needle sharpening at the first phase of the procedure, and lidocaine anesthetizes at the second stage (patients almost do not feel the puncture) and eliminates the discomfort after the procedure.

## P. C. T – Precision Calibration Technology



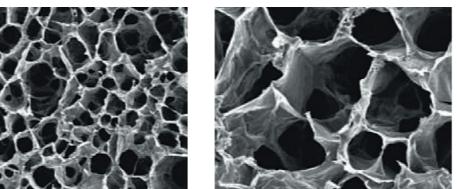
## Product range

	PHiLLEX™ Fine Lips	PHiLLEX™ Deep Plus	PHiLLEX™ SUB-Q Plus
Composition	24 mg/ml (1.1 ml) lidocaine 3 mg/ml	24 mg/ml (1.1 ml) lidocaine 3 mg/ml	24 mg/ml (1.1 ml) lidocaine 3 mg/ml
Purpose	<ul style="list-style-type: none"> <li>wrinkles</li> <li>vermilion zone</li> <li>small lip volume</li> <li>nasolacrimal groove</li> </ul>	<ul style="list-style-type: none"> <li>nasal labial fold</li> <li>lip volume</li> <li>raising corners of the mouth</li> <li>malar region</li> </ul>	<ul style="list-style-type: none"> <li>malar region</li> <li>chin region</li> <li>angle of lower jaw</li> <li>temporal region</li> </ul>
Injection depth	epidermis, upper dermis	middle/deep layer of derma	deep layer of derma/hypodermis
Syringe volume	1.1 ml	1.1 ml	1.1 ml
Needle size	30G/27G	27G	25G/27G
Storage	2-25 °C	2-25 °C	2-25 °C
Duration of result	8 - 10 months	12 - 14 months	12-18 months
BDDE	not detected	not detected	not detected
Shelf life	24 months	24 months	24 months

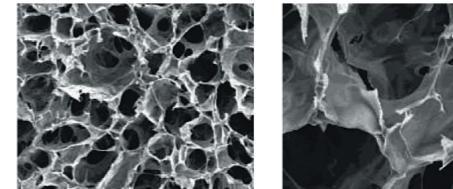
## Features: 1. Monophasic spherical structure

PHiLLEX™ has a regular, spherical and dense grid comparing with other fillers, ensures continuous and easy injection throughout the entire process of volumization and helps to ensure natural and harmonized appearance.

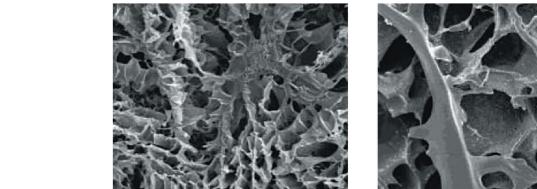
Product [PHiLLEX™]



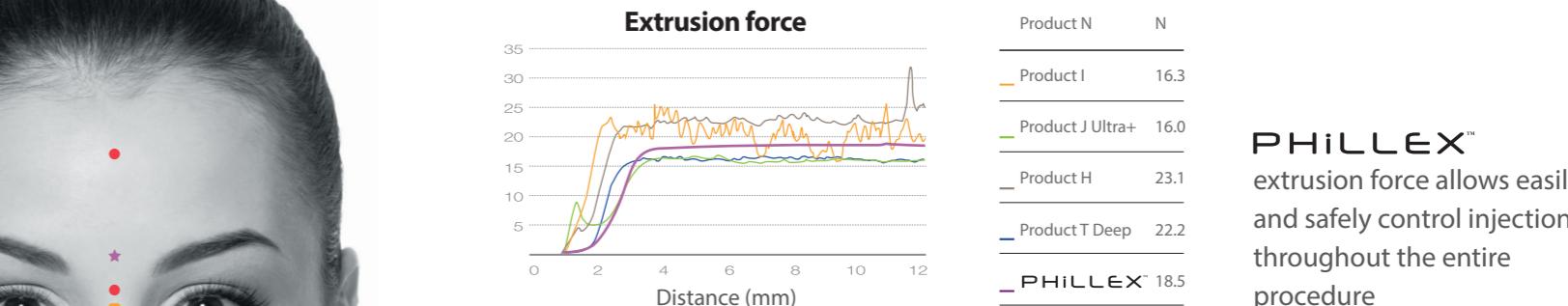
Product [ J ]



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## Features: 2. Extrusion force in medical products for contour correction



PHiLLEX™  
extrusion force allows easily  
and safely control injections  
throughout the entire  
procedure



## Features: 3. Patient comfort level comparative chart



PHiLLEX™  
Deep

without lidocaine

PHiLLEX™  
Deep Plus

with lidocaine

PHiLLEX™ contains 0.3% of lidocaine, which  
relieves pain suffered by the patients after injection, and  
laser needle sharpening allows to minimize pain during  
initial injection.

# TwAc® booster system

**POLYNUCLEOTIDES** have become a big sensation in the world of cosmetology. Polynucleotides are the "building blocks" that restore the skin from the inside. They increase the collagen production and are powerful stimulator of vascular growth factors.

## TwAc® effect on skin

- stimulate reparation processes
- boost skin re-epithelization and scarring;
- granulation tissue formation in wound area
- increase metabolic activity of cells
- stimulate angiogenesis
- enhance moisturizing effect of hyaluronic acid
- reduce the level of proinflammatory cytokine TNF-a
- are highly effective free radical scavenger
- protect against UV radiation

## TwAc® safety

- not toxic
- not genotoxic
- apyrogenic
- no sensitizing action

## TwAc® effect

In vitro:

- synthesis of intracellular proteins and DNA increases 1.5-2.5 times

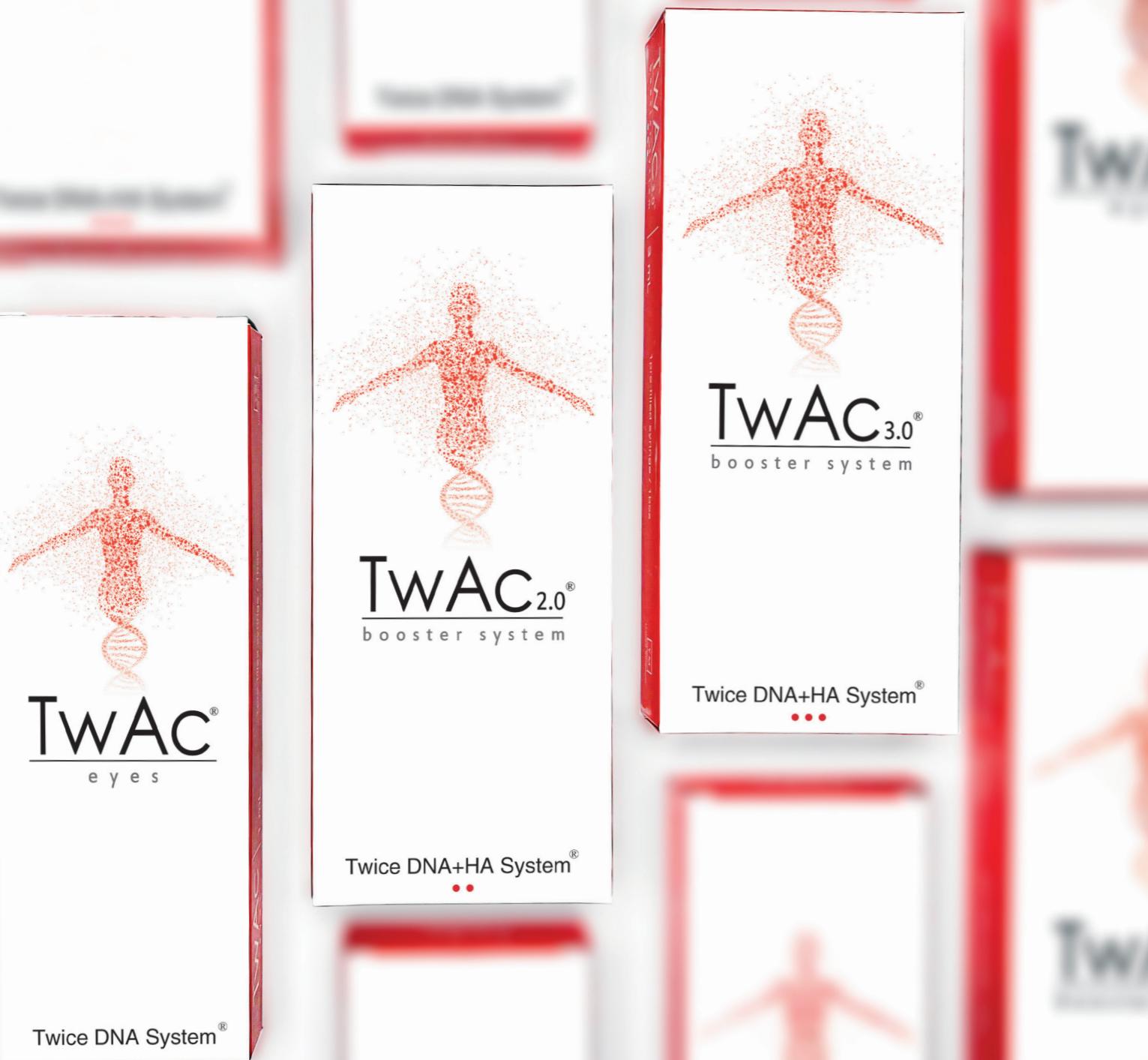
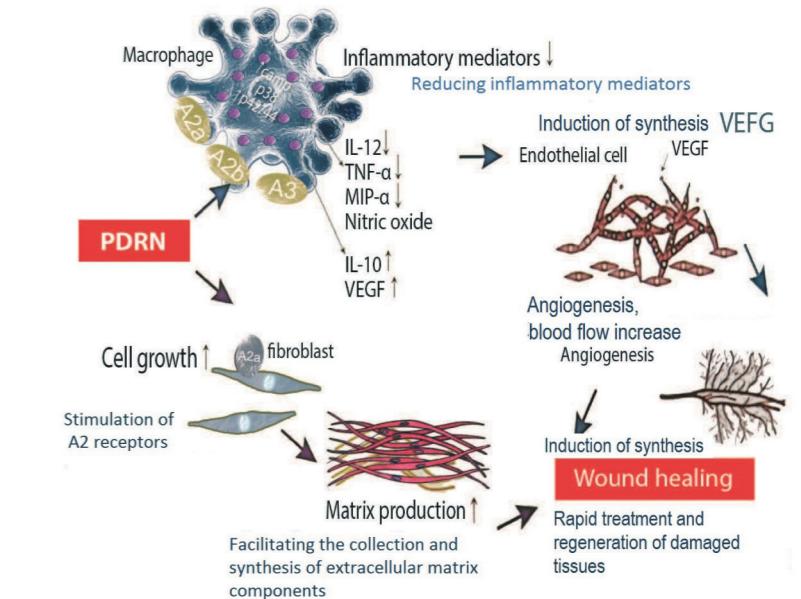
Preclinical results:

- angiogenesis
- collagenogenesis

Clinical results:

- increase of colorimetric characteristics of skin
- anti-inflammatory effects
- improve skin texture

## TwAc® mechanism of action



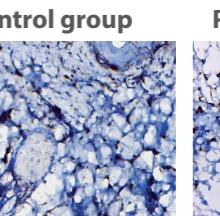
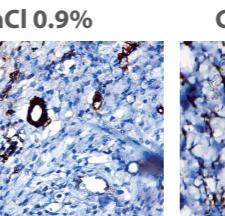
## Product range

	TwAC® eyes	TwAC® booster system 2.0	TwAC® booster system 3.0
Composition	1 ml PDRN 10 mg/ml	3 ml PDRN 7.5 mg/ml HA 12 mg/ml	3 ml PDRN 20 mg/ml HA 20 mg/ml
Areas of injection	periorbital zone lower face	face hands	face hands
Morphotype of aging	tired deformative combined	muscular combined small-wrinkled	muscular combined small-wrinkled
Syringe volume	1.0 ml	3.0 ml	3.0 ml
Recommended needles	34 G	30 G	27 G
Storage	2-25 °C	2-25 °C	2-25 °C
Intensive/ standard course	7/10 day	20/30 days course 2 - 3 times/6 months	30/40 days course 2 - 3 times/6 months
BDDE	not detected	not detected	not detected
Dynamic viscosity [mPa.s]	not detected	~ 25000	~ 50000
Shelf life	24 months	24 months	24 months

## Histopathological examination

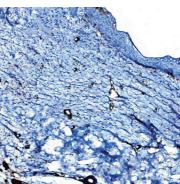
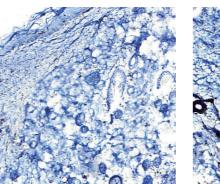
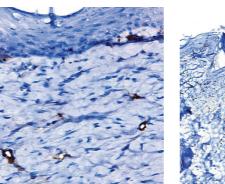
### Hematoxylin and eosin stain Degloving rat skin wound.

Immunochemical reaction with antibodies to CD 34  
7th day



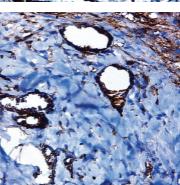
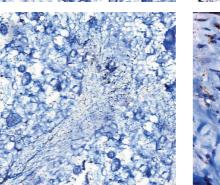
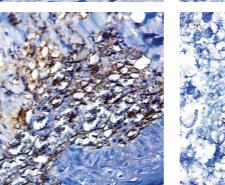
PDRN  
In the TwAC group, the total number of newly formed CD34-positive vessels is higher.

Immunochemical reaction with antibodies to CD 34  
14th day



Animals of the TwAC group have more numerous vessels, and more enlarged

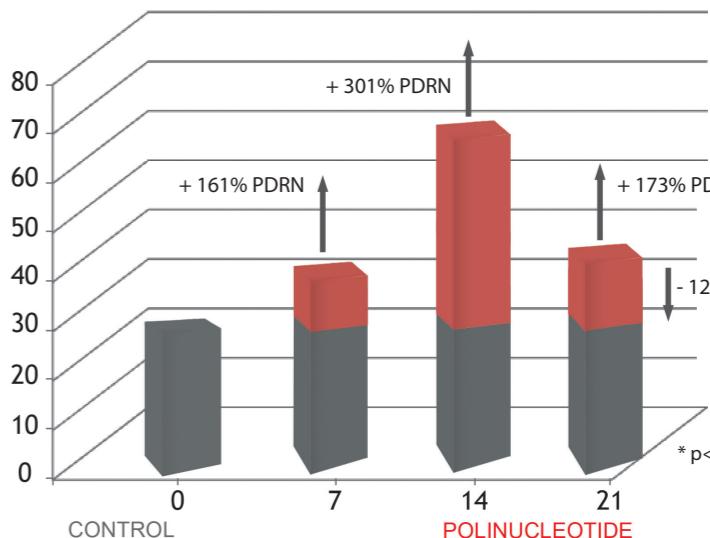
Immunochemical reaction with antibodies to CD 34  
21st day



Vascular density in the TwAC group is higher than in the experimental group.

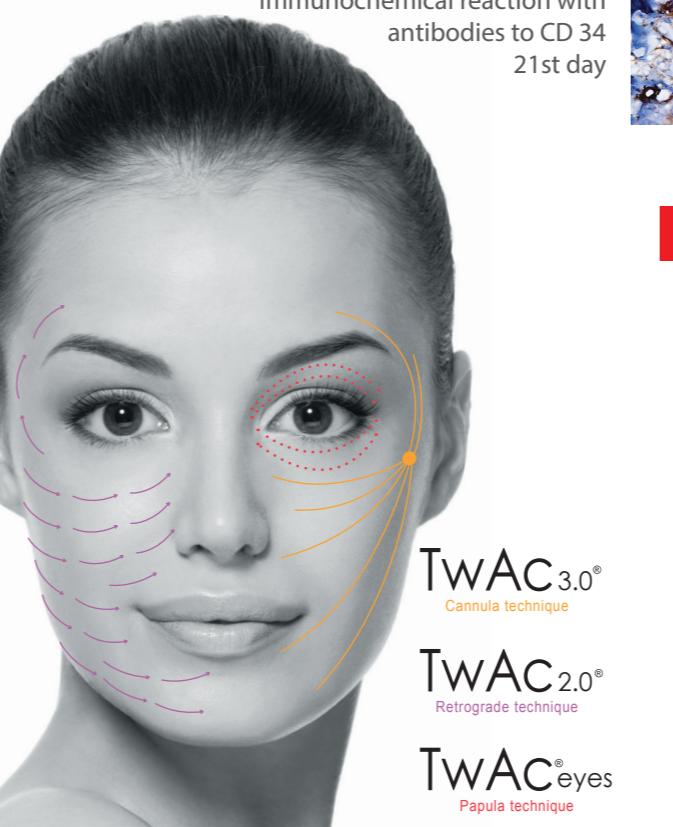
Trials have been conducted on the basis of the Institute of the Shalimova A.A. NAMS

## Increase in the number of vessels



Comparative dynamics of vascular density (the number of vessels per 1 mm<sup>2</sup> of newly formed connective tissue) in the area of the wound degloving for different observation periods.

From day 2 till day 28, the number of vessels decreased to the level of the control group.



Trials have been conducted on the basis of the Institute of the Shalimova A.A. NAMS

# APPeex®

## Peeling



**APPeex** next generation exfoliant with regenerative properties. The composition of the drug includes a unique patented complex, consisting of three main components: TCA 20%, PDRN 5%, Cyanocobalamin

**APPeex** showed significantly higher clinical performance compared to other peels

**APPeex** in combination with other drugs makes it indispensable in the conditions of dermatological institutions

**APPeex** is used to treat involutional altered facial skin with a pronounced melanostatic effect

**APPeex** is intended for the treatment of atrophic scars and is highly effective due to the regenerative abilities of peeling and the presence of PDRN in the composition.

### INDICATIONS:

- Alignment of the skin relief
- Lightening of the skin
- chloasma, milasma
- Atrophic and hypertrophic scars
- Skin texture improvement
- Acne treatment

**CONTRAINDICATIONS:** pregnancy, lactation period, rosacea manifestation, acute conditions of the body

**DIRECTION:** One ampoule – 6 ml (3 procedures)

Apply 1 ml on the skin of the face without rubbing, after 2 minutes apply another 1 ml, after the procedure apply the cream in double layer. The patient at home washes off the peeling after 6-8 hours. Avoid the eye contour and contact with the eyes.

### Cream

**APPeex cream** – contains polydeoxyribonucleotide and moisturizing components, due to the soft texture and powerful enhancers, the degree of penetration is 97%. Recommended after any traumatic procedures, as well as home care.

**EFFECTS:** Regenerative, anti-inflammatory, brightening

**DIRECTION:** Apply 3 ml cream once a day in the evening after procedure with APPeex peeling. Rapid recovery and regeneration of the skin. APPeex cream improves results after procedure with APPeex peeling.

### III THREE-PHASE PEELING

#### I PHASE EXFOLIATION

- TCA stabilized acid easily interacts with proteins, causing the denaturation of these molecules. Exfoliation and rejuvenation

#### II PHASE INACTIVATION

- B12 – inactivates NO, reduces vasodilation. No bright redness after the procedure

#### III PHASE REGENERATION

- PDRN – regeneration and vascularization of the damaged tissue, anti-inflammatory effect, as a result, rapid rehabilitation after the procedure

The result of the combination of active ingredients is the release of a huge number of signal molecules and cytokines, which cause changes in the functioning of the entire cellular community and activate the dermis. Binds free radicals, modulates gene expression, has strong regenerative and anti-inflammatory potential

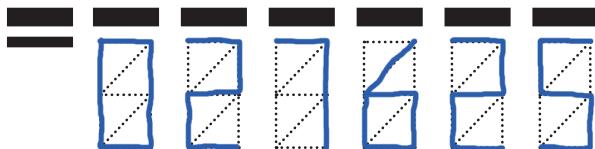


📍 **Al Muntazah, 2nd Floor, Office 2,  
Building 129, Zone 24, Street: 950**

📞 **+974 30107196**

📱 **+974 6653 1593**

✉️ **info@promedtrading.com**



*Dear partners,  
with great respect to U!*

*Mr. Ahmad Qawasmi*