

Portfolio medical esthetics

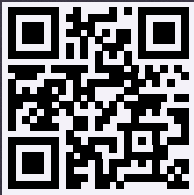
Advanced
medical
esthetics

me.biovico.com

BIOVICO
MEDICAL ESTHETICS

Biovico was founded with a clear mission: to bring innovative healthcare solutions to patients around the globe. To achieve this, we focused on developing specialized products and approaches based on hyaluronic acid, designed to address the unique needs of patients and healthcare professionals. Today, our presence spans over 70 countries, where we continue to meet the demands of global markets.

Clinical effects



Find us
on Instagram



@biovico_medical_esthetics

We deliver innovative solutions across five sectors: medical esthetics, orthopedics, spine care, dental surgery, and veterinary. Each area reflects our commitment to providing targeted and impactful healthcare products.

Our growth wouldn't have been possible without adhering to and maintaining the highest standards. We strictly comply with **MDR, ISO 13485, MDSAP, CE, Pharmacovigilance** and **HACCP**, ensuring the quality and reliability of every product. Behind every achievement is the dedication of our team. From researchers and developers to marketing and production staff, every department contributes to our shared success.

Together, we embody Biovico's values of excellence, innovation and commitment. Guided by a scientific approach, we strive to deliver solutions that make a difference in healthcare. Our focus on the latest evidence-based research ensures they are both effective and groundbreaking.



DKK DERM™

DKK DERM™ separation device allows for isolation of autologous blood derived product with an increased amount of a natural Wnt pathway inhibitor - DKK-1 protein.

DKK DERM™ specification & treatment protocol

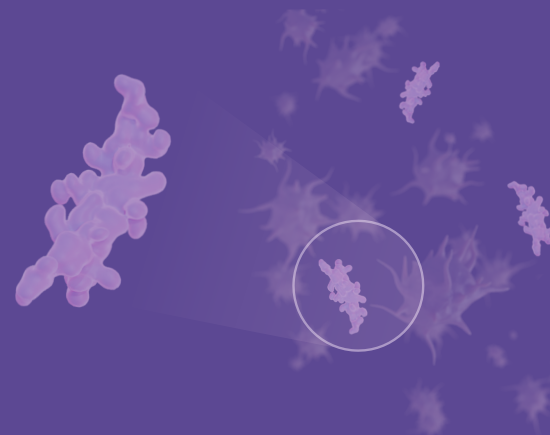
DKK-PRP: targeted treatment applied directly to skin areas with signs of melasma or hyperpigmentation

Activated plasma: a regenerative therapy targeting the entire face, neck, décolletage, and hands, as well as revitalizing the skin surrounding hyperpigmentation.

DKK DERM™ kit consists of an innovative separation device containing a specific platelet activator with unique physicochemical properties.

The activator in the form of spheres, made of a special borosilicate composition, accumulates an electrostatic charge on its surface.

DKK DERM™ selectively induces the secretion of the endogenous DKK-1 from the platelets at the high level.



Two benefits in one procedure: melasma reduction and full-face biorevitalization

DKK-PRP

Brightens existing hyperpigmentation and helps inhibit its recurrence at the source

Activated plasma

Revitalizes and enhances overall skin quality

DKK DERM™

DKK-1 is a secretory inhibitor of the canonical Wnt signaling pathway¹

DKK-1 suppresses melanocyte density and differentiation²

DKK-1 regulates the subcellular trafficking of melanosomal proteins within melanocytes which play critical roles in regulating the synthesis, deposition, and distribution of melanin in melanosomes³



DKK DERM™ kit

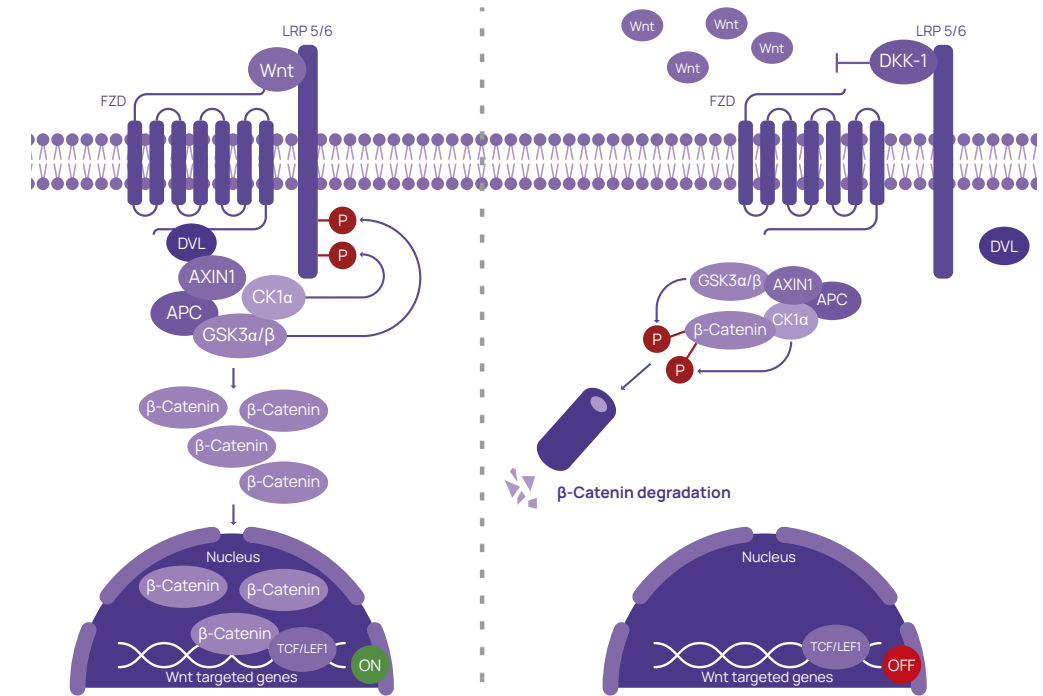
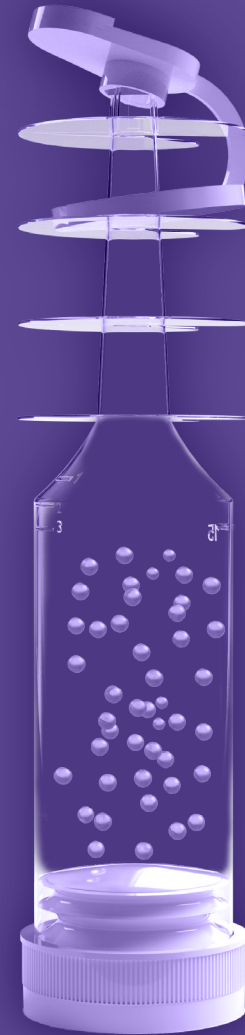
Innovative melasma treatment⁹

Suppression of melanocyte density and differentiation

In melasma, the Wnt pathway is upregulated³.

DKK DERM™ delivers an autologous product selectively enriched with the DKK-1 protein, a natural Wnt pathway inhibitor.

The DKK DERM™ targeted action is designed to achieve suppression of melanocyte density and differentiation, addressing the root cause of melasma.

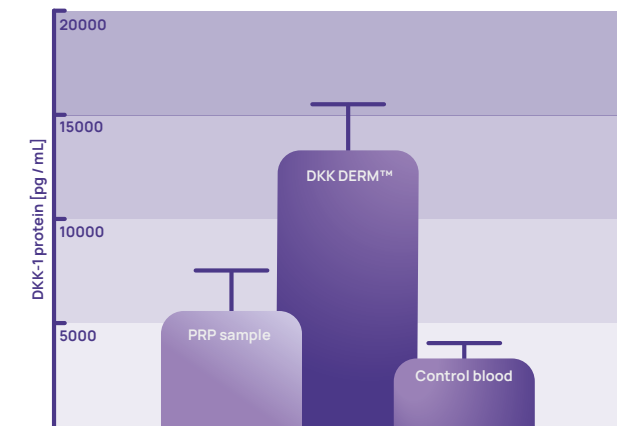


Regulation of the Wnt/β-catenin signaling pathway in melasma and the role of DKK-1.

In melasma, Wnt/β-catenin signaling is overactive. Wnt ligands bind FZD and LRP5/6, inhibiting the β-catenin degradation complex (APC-AXIN-GSK3-CK1). As a result, β-catenin accumulates and translocates to the nucleus, where it associates with TCF/LEF and acts as a transcriptional co-activator to induce Wnt target genes involved, among others, in melanogenesis and melanocyte proliferation, thereby promoting hyperpigmentation. By binding LRP5/6, DKK-1 blocks Wnt signaling, restores β-catenin degradation, and may inhibit hyperpigmentation¹⁻³.

DKK-1 Concentration

- The final product contains an approximately five-fold higher concentration of DKK-1 protein compared to baseline control blood⁴.
- It also provides an approximately 2.4-fold higher DKK-1 concentration than standard platelet-rich plasma⁴.



DKK-1 concentration in Control blood, PRP, and DKK DERM™ samples
Number of measurements = 18.

Explore the power of injectable hyaluronic acid

FLAVYA™

Non-crosslinked skinbooster Medical Device Class III

Flavya™ products are injectable medical devices containing highly concentrated hyaluronic acid (HA) of high molecular weight, obtained by bacterial fermentation. Flavya™ is a sterile and non-pyrogenic gel for intradermal injections.

1st
injection

>7
days

2nd
injection

>7
days

3rd
injection

>7
days

4th
injection

>7
days

5th
injection

Application

A series of 3 to 5 treatment sessions is recommended, at intervals of no more than once per week. The treatment can be repeated 6 months after the last session.



Immediate and long-lasting effects of Flavya™ treatment

elasticity

smoothness

hydration

radiance

Flavya™ non-crosslinked hyaluronic acid for mesotherapy

Bio-identical, native HMW-HA*
with an unmodified chemical structure,
naturally present in the skin's extracellular
matrix^{5,8}

Highest purity - sterile, bacterial
fermentation origin

Affects the application site - appropriate
rheological properties⁷

Controlled biodegradation: designed
to break down into LMW-HA** fragments
that actively stimulate collagen and elastin
production⁸

*HMW-HA High molecular weight hyaluronic acid

**LMW-HA Low molecular weight hyaluronic acid

Explore the power of injectable hyaluronic acid

FLAVYATM

medium

Gentle, soothing stimulation for the skin

FlavyaTM Medium is recommended for application to thin, delicate skin, with less signs of aging.



Hyaluronic acid total content	32 mg
Hyaluronic acid concentration	1.6%
Volume	1x 2 ml pre-filled syringe
Molecular weight ¹⁸	1800 - 2500 kDa
Viscosity ¹⁸	< 100 Pa*s
Injection depth	Reticular layer of the dermis

FLAVYATM

excellence

Deeper, more intensive skin stimulation

FlavyaTM Excellence is recommended for application to thicker skin, with deeper wrinkles.



Hyaluronic acid total content	44 mg
Hyaluronic acid concentration	2.2%
Volume	1x 2 ml pre-filled syringe
Molecular weight ¹⁸	1800 - 2500 kDa
Viscosity ¹⁸	100-200 Pa*s
Injection depth	Deep and medium deep layers of the dermis



on average
+21%
dermal **thickness**¹⁷

Clinically proven
benefits of Flavya™
treatment¹⁷

Biological stimulation
of fibroblasts

Skin rehydration

Increase in dermis
thickness

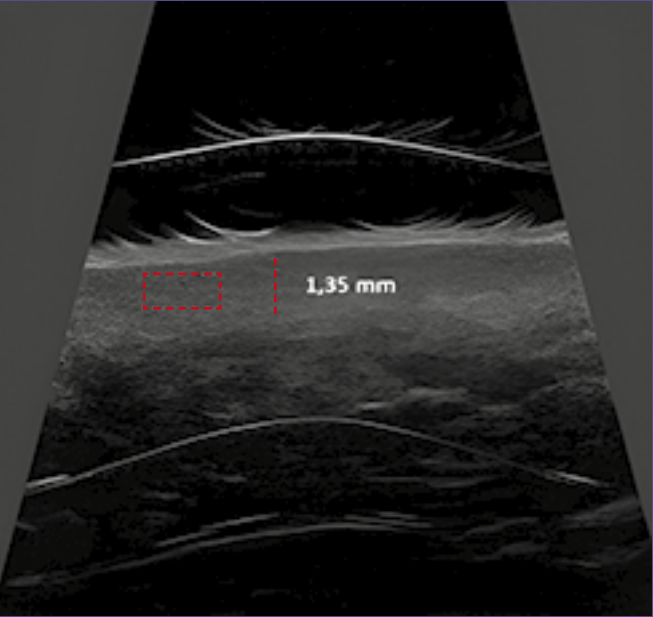
Long-lasting clinical
effects

High safety confirmed
by studies

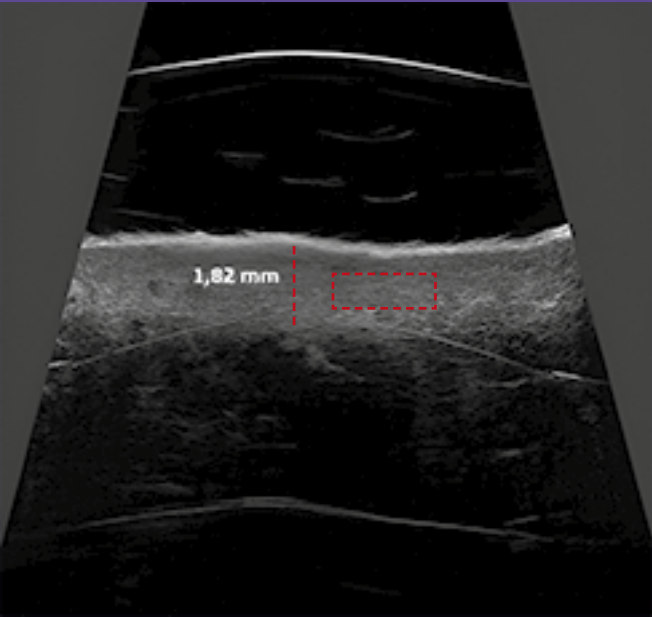
High level of patients
satisfaction

Ultrasound imaging shows a visible
increase in skin density

BEFORE



AFTER



Before & after: Ultrasound reveals remarkable dermal thickening. Following treatment, the skin's dermal layer increased from 1.35 mm to 1.82 mm, representing a significant improvement of nearly 35%.

Karamon A. et al., Aesth Cosmetol Med. 2025, 14(4):149-156).

ACORA™

Innovative separation device designed to enable maximum recovery of platelets and growth factors

Three Aora™ procedure packs designed for isolation and separation of high quality blood derived products. The obtained platelet-rich plasma contains minimum 1 million of platelets in 1 µl of plasma¹⁰, which has the direct impact on the high amount of growth factors delivered in order to revitalize skin¹¹.

ACORA™ PRP kit	ACORA™ iPRF kit	ACORA™ PRP Pure kit
2 mL PRP + 1-3 mL PPP*	1-3 mL iPRF	1.5 mL PRP PURE + up to 3.5 mL PPP*
Face, neck, décolletage, hands	Face, neck, décolletage, hands	Scalp
Skin revitalization and regeneration	Reconstruction of skin structure	Hair growth stimulation and reinforcement
1 treatment per month, 3 treatments on average	1 treatment per month, 3 treatments on average	1 treatment per month, 3-6 treatments on average
6 month treatment intervals		
Intradermal injection		

Each Aora™ kit includes separation device and all necessary components for the procedure.

Engineered for maximum platelet recovery

Ring stabilization technology

Minimizing vibration to protect fragile platelets and guarantee peak cell performance

Patented technology

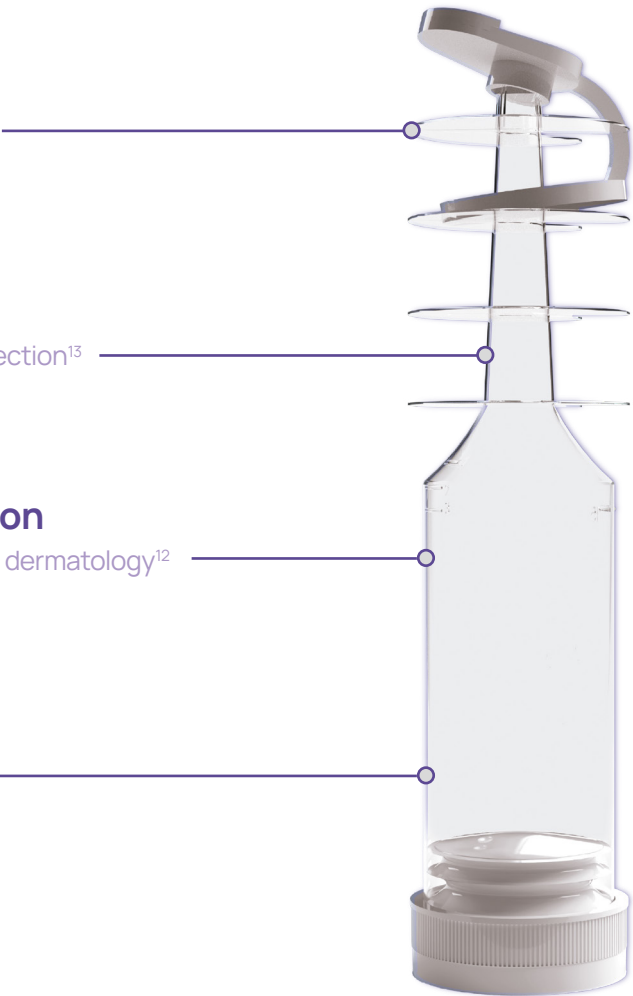
For superior plasma separation and platelet protection¹³

Average ~5× platelet concentration

Clinically optimal value for esthetic medicine and dermatology¹²

Maximum recovery of platelets

Makrolon® polycarbonate ensures low protein and cell binding due to its very low surface energy.



Autologous treatment for rejuvenation

ACORA™

PRP kit

Skin revitalization and regeneration

Platelet-rich plasma (PRP) with leukocytes

PRP is a natural reservoir of growth factors that play a key role in the process of skin regeneration and renewal¹⁴. The presence of leukocytes stimulates repair processes in the cells¹⁵.



Product obtained: 2 mL of platelet-rich plasma (recommended) or maximum 5 mL of plasma

Recommendations

skin of the entire face, neck, décolletage and hands

to regenerate and rejuvenate the skin,
to reduce fine lines and wrinkles,
to revitalize scars

PRP treatment results

Improves skin condition, tension and elasticity

Accelerates skin regeneration after EBD* treatment

Evens skin tone and texture

Reduces visibility of wrinkles and scars

*Energy Based Devices

Autologous treatment for rejuvenation

ACORA™

iPRF kit

Reconstruction of skin structure

Injectable platelet-rich fibrin (iPRF) therapy

iPRF - highly concentrated platelets enclosed in a three-dimensional fibrin structure. Growth factors are released over time prolonging regeneration effects in the skin¹⁶. iPRF creates a temporary filling effect (volumetry) and initiates the reconstruction process at the same time.



Product obtained: 1 - 3 mL of injectable platelet-rich fibrin

Recommendations

skin of the entire face, neck, décolletage and hands and scalp

to firm, revitalize and rebuild the skin structure targeting deep wrinkles (nasolabial folds, glabellar wrinkles and furrows)

iPRF treatment results

Reduces visibility of wrinkles and scars

Temporarily smooths out facial lines

Temporarily fills furrows, deep lines and scars

Temporary natural lifting effect

Improves scalp skin condition and supports hair health

Autologous treatment for rejuvenation

ACORA™

PRP Pure kit

Hair growth stimulation and reinforcement

Platelet-rich plasma therapy without leukocytes (PRP Pure)

PRP rich in growth factors improves nutrition and oxygenation of hair follicle cells, stimulates differentiation of the stem cells, extends the hair growth phase¹¹. The absence of leukocytes reduces the risk of acute episodes of folliculitis, which is a common reason of baldness^{6,7}.

The Aora™ PRP Pure procedure enables the preparation of PRP with over 99% purity, defined by leukocyte content below 1%¹⁷.



Product obtained: 1.5 mL of platelet-rich plasma (recommended) or maximum 5 mL of plasma

Recommendations

scalp

excessive hair loss, thinning hair, first signs of baldness

PRP Pure treatment results

Supports hair loss prevention and manages thinning

Stimulates follicles for natural hair regrowth and density

Nourishes the scalp and hair follicles

Prolongs the hair growth phase (anagen)

Optimizes scalp condition before hair transplantation and supports post-transplant recovery

FLAVYA™

Post-Treatment Products
Medical Devices Class I

Flavya™ Post-Treatment Products are biocellulose-based medical devices infused with hyaluronic acid. Due to their occlusive properties, they form a protective barrier on the skin, which is particularly beneficial after medical esthetic treatments. Additionally, their cooling effect helps soothe irritation and reduce swelling.



Occlusive Face Mask

Biocellulose film with hyaluronic acid, in a face mask shape

After esthetic medicine treatments involving large parts of the facial skin or the entire face

Occlusive Patch

Biocellulose film with hyaluronic acid, in a square or rectangular shape (10 x 10 cm or 10 x 20 cm)

After esthetic medicine treatments involving specific areas of the skin

Post-treatment skin
comfort & protection

soothes irritations

provides a cooling effect

provides a protective barrier after esthetic medicine procedures

suitable for all skin types



Advanced medical esthetics

Legal manufacturer

Biovico Sp. z o.o.

Hutnicza 15 B

81-061 Gdynia, Poland, EU

☎ +48 58 660 44 88

✉ office@biovico.com

www.biovico.com



references