



# endoret<sup>®</sup> (prgf<sup>®</sup>)

Endogenous Regenerative Technology

BIOLOGICAL REGENERATION  
OF OCULAR TISSUE



[www.endoret.es](http://www.endoret.es)



# EYE DROP KIT

ENDORET® (PRGF®)

NEW GENERATION OF  
AUTOLOGOUS EYE DROPS

*within your  
grasp*



- Fast and simple to prepare, **no diluting required**
- **It accelerates tissue regeneration** thanks to its high concentration of growth factors that encourage cellular proliferation and migration <sup>(7)</sup>
- High antifibrotic potential that encourages corneal transparency and **protects against corneal scarring and leucomas** <sup>(7) (8)</sup>
- Daily treatment **with no need to store in the fridge** as it can be used any time, anywhere <sup>(3)</sup>

Treatment

Up to  
**3**  
months

Storage

at  
**-20°C**

A dispenser

up to  
**72**  
hours  
at room  
temperature



## INDICATIONS

- Moderate to Severe Dry Eye
- Persistent Epithelial Defects
- Corrective Amyotrophia Surgery
- Burns, perforations, inflammation

# SURGERY KIT

ENDORET® (PRGF®)

CUSTOMISED EYE  
SURGERY

*offering maximum  
versatility...*

## 1. SINGLE PROTOCOL



4 FORMULATIONS



**Fibrin Membrane**  
sutureable autologous,  
strong, easy to handle  
and completely  
resorbable



**Liquid plasma  
and Clot**  
enriched with Growth  
Factors



**Eye drops**  
that maintain the growth  
factor supply after surgery

*...to adapt the surgery  
to each patient*

Limbal Stem Cell Deficiency  
**Pterygium Surgery**  
Ocular Burns  
Limbal Stem Cell Deficiency  
Glaucoma Surgery

Limbal Transplant  
Glaucoma Surgery  
**Corneal Defects**  
Limbal Transplant  
Symblepharon surgery  
Ocular Reconstructive Surgery

**Corneal Ulcers**  
Symblepharon surgery  
Ocular Reconstructive Surgery  
Cornea Transplant  
Corneal Ulcers  
Ocular Burns

**Corneal Ulcers**  
Symblepharon surgery  
Ocular Reconstructive Surgery  
Pterygium Surgery



# ADVANTAGES

## OF ENDORET TECHNOLOGY®

### AUTOLOGOUS

Taken from the patient's blood, so **there are no side effects.** <sup>(4)</sup>

### OPTIMUM CONCENTRATION OF PLATELETS

An **appropriate concentration of platelets** that promote **greater cellular proliferation.** <sup>(1)(8)</sup>

### PATENTED ACTIVATION

**Allows controlled release** of growth factors <sup>(6)</sup> <sup>(8)</sup>

### LEUKOCYTE FREE FORMULATION

**ENDORET® does not contain leukocytes.** Including leukocytes increases pain and inflammation and accelerates fibrin deterioration. <sup>(2)</sup>

### NO DILUTIONS OR PRESERVATIVES

**Same pH and osmolarity as tears** for greater regenerative potential and bio-safety. <sup>(3)(8)</sup>

### REDUCES FIBROSIS

Greater **antifibrotic potential** compared to SA. <sup>(7)</sup>

### REPRODUCIBLE

**Protocol is strictly defined and tested** for the preparation process and clinical application.

### VERSATILE

**Different therapeutic formulations** obtained in the same process help adapt the product to clinical needs. <sup>(5)(6)</sup>

## REFERENCES

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- (2) Filardo G, Kon E, Pereira Ruiz MT, Vaccaro F, Guitaldi R, Di Martino A, Cenacchi A, Fornasari PM, Marcacci M. Platelet-rich plasma intra-articular injections for cartilage degeneration and osteoarthritis: single- versus double-spinning approach. *Knee Surg Sports Traumatol Arthrosc.* 2012.
- (3) Anitua E, Muruzabal F, Pino A, Merayo-Llodes J, Orive G. Biological Stability of Plasma Rich in Growth Factors Eye Drops After Storage of 3 Months. *Cornea.* 2013;32:1380-1386.
- (4) Anitua E, Sánchez M, Nurden AT, Nurden P, Orive G, Andía I. New insights into and novel applications for platelet-rich fibrin

therapies. *Trends Biotechnol.* 2006;24:227-234.

(5) Anitua E, Sánchez M, Orive G. Potential of endogenous regenerative technology for in situ regenerative medicine. *Adv Drug Deliv Rev.* 2010;62:741-752.

(6) Anitua E, Sánchez M, Orive G, Andía I. The potential impact of the preparation rich in growth factors (PRGF) in different medical fields. *Biomaterials.* 2007;28:4551-4560.

(7) PRGF eye drops stimulates scarless regeneration compared to autologous serum. Anitua E, de la Fuente M, Muruzabal F, Riestra A, Merayo-Llodes J, Orive G. *Exp Eye Res* 2015

(8) Autologous serum and plasma rich in growth factors in ophthalmology preclinical and clinical studies. Anitua E, Muruzabal F, Tayebba A, Riestra A, Perez V, Merayo-Llodes J, Orive G. *Acta ophthalmologica* 2015

# SAFETY AND GUARANTEES

### STABILITY GUARANTEE

Endoret eye drops® ( PRGF®) remain stable for 3 months when frozen and 72 hours at room temperature, maintaining biological and biosafety potential intact. <sup>(3)</sup>

### REGULATORY GUARANTEES

Endoret® ( PRGF®) has obtained the **CE marking** for use and sales in ophthalmology.

The ENDORET® system meets all regulatory requirements as a **closed technique**, according to the standard from the Spanish Agency for Medicine and Healthcare Products dated 23rd May 2013, establishing the classification for non substitutive therapeutic use of autologous plasma and its parts, components or derivatives, as medicine for human use.

### EFFICIENCY GUARANTEES

**BTI has large-scale worldwide clinical support published in this field**, upholding its effectiveness with more than 175 international scientific publications.

### ADDITIONAL GUARANTEES

**BTI certifies its customers' specific training to use this technology.**

**BTI also guarantees traceability for its materials**, and helps you provide your patients with all the necessary information.



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NOTE: Consult your distributor for product availability in the different markets.



### BTI APP

ENDORET® (PRGF®) TRAINING

iPhone/smartphone version

iPad/tablet version (with restricted area only for BTI customers)