



**Natural innovation**  
In therapeutic lenses

**REGENERA**<sup>®</sup>  
THERAPEUTIC LENS

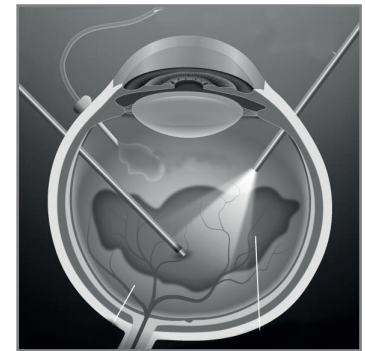
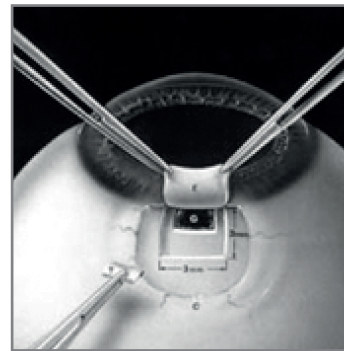
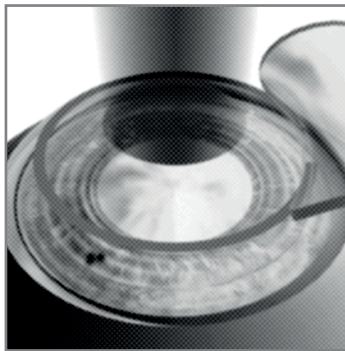


**REGENERA**<sup>®</sup>  
THERAPEUTIC LENS

The ideal balance between technology, materials, and composition, for groundbreaking therapeutic use

## When does the eye doctor need to apply REGENERA<sup>®</sup> to the eye surface?

The REGENERA therapeutic lens<sup>®</sup> does not have a refractive function, but is designed to facilitate corneal **re-epithelialization** after surgery, or in case of abrasion or trauma of the ocular surface.





# REGENERA<sup>®</sup>

THERAPEUTIC LENS

The 3 unique features the ophthalmologist can count on



● **Material**



● **Geometry**



● **Wettability and medicinal action**



# 1 MATERIAL

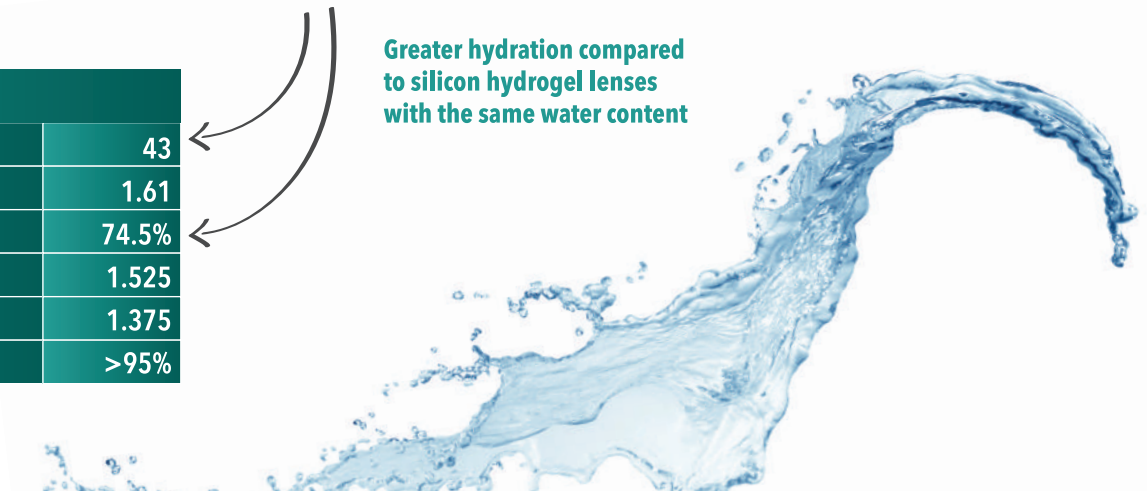
## OPTIMUM HYDRATION AND IMMEDIATE PROTECTION

REGENERA® lenses are made of Filcon II 3, a material authorized for therapeutic use and characterized by excellent hydration and high permeability to oxygen.



MATERIAL CHARACTERISTICS	
Oxygen permeability (ISO) @ 35°C (barrers)	43
Swell factor @ 20°C	1.61
Water content by refractometer @ 20°C	74.5%
Refractive index @ 20°C dry	1.525
Refractive index @ 20°C hydrated	1.375
Light transmission (%) @ 380-780nm	>95%

Greater hydration compared to silicon hydrogel lenses with the same water content



**CONTINUOUS HYDRATION DURING THE HEALING STAGE**

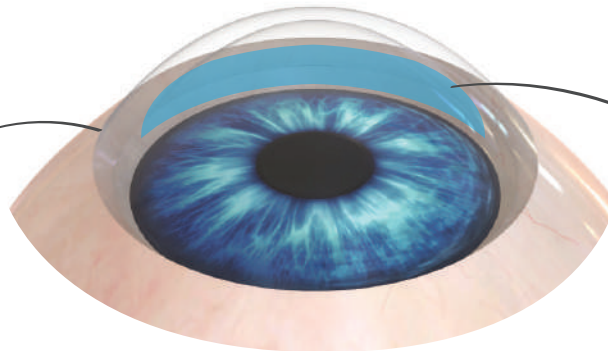
## 2 GEOMETRY

LIMITED ADHERENCE TO THE CORNEA - INVERSE SPHERICITY AND INTERMEDIATE DIAMETER

The inverse sphericity of **REGENERA**<sup>®</sup> lenses determines:

**STABLE AND CENTERED POSITIONING**

optimum adaptation to post-operative corneal alterations



**OPTIMUM CORNEA-LENS DISTANCE**

continuous hydration and extended therapeutic action

**REGENERA**<sup>®</sup>  
THERAPEUTIC LENS

**BEST ADHERENCE AND GREATER COMFORT**

3

## WETTABILITY AND MEDICINAL ACTION

The lens is designed to combine the beneficial characteristics of its component material with the soothing properties of aloe vera - Alvera<sup>®</sup>, which confer antimicrobial, anti-inflammatory, and re-epithelializing activity.

Alvera<sup>®</sup> is designed to act against lipid deposits. Not only does it remove them effectively, but it also reduces the affinity of lipids to adhere to the surface of the contact lens, which significantly increases hygiene and comfort.



**REGENERA**<sup>®</sup>  
THERAPEUTIC LENS

**ANTI-INFLAMMATORY AND RE-EPITHELIALIZING ACTIVITY**

## The advantages of REGENERA<sup>®</sup> therapeutic lenses

- Complete corneo-scleral coverage
- Oxygen permeability and hydration
- Medicinal and re-epithelializing activity within 2 days
- Reduction of lipid deposits

PARAMETRI	
Material	Filcon II 3 (Hydrogel)
Water content	75%
Geometry	inverse
Base curvature	8.6
Diameter	16,5 mm
Central thickness	120 micron
Focal power	0,00 D
Visibility coloring	transparent
Therapeutic use	Continuous up to 7 days



# REGENERA<sup>®</sup>

THERAPEUTIC LENS

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## + COMFORT

Pain is decreased above all in case of corneal abrasion

## + PROTECTION

The cornea is better protected during the time needed for healing

## + HYDRATION

The ocular surface stays continuously hydrated

