

Product Code	EMG001
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Dimensions

Base diameter	50 cm
Height	115 cm
Weight	30 kg

Monitor

Diagonal	226 mm (8.9 inches)
Resolution	1920 x 1200 pixels

UV Beam

Intensity range	1-18 mW/cm ²
Diaphragm aperture	6-12 mm

CE 1936

Bibliography

- 1) "Evaluation of the penetration through human cornea of riboflavin 0.1% in solution with other molecules after trans-epithelial application" 1st EuCornea Congress, June 17-19 2010, Venice, Italy.
- 2) "Thickness and ultra-structural changes in keratoconus-affected human corneas after transepithelial cross-linking" American Academy of Ophthalmology Annual meeting, October 2010, Chicago (P0073).
- 3) "A new riboflavin solution for trans-epithelial cross-linking: a study of corneal pharmacokinetic" American Academy of Ophthalmology Annual meeting, October 2010, Chicago (P0073).
- 4) Effects of UV-A rays on the corneal epithelial surface after topical application of riboflavin solutions: an electron microscope study" American Academy of Ophthalmology Annual meeting, October 2010, Chicago (P0073).
- 5) "Increasing of corneal permeation of riboflavin-5'-phosphate through enhancers: A promising approach in corneal trans-epithelial cross-linking treatment". Inter J Pharm 440 (2013) 148- 153.
- 6) "A Mathematical Model of Corneal UV-A Absorption After Soaking With a Riboflavin Solution During Trans-epithelial Cross-linking". 1st joint International Congress Refractive Online & SICSSO National Congress, July 7-9, 2011, Grosseto, Italy (Best paper, podium presentation).
- 7) "UV-A rays absorption in human corneas before and after trans-epithelial riboflavin application: an experimental study" 2nd Joint International Congress Refractive Online & SICSSO National Congress, June 28-30, 2012, Rome, Italy (Podium presentation).
- 8) "Trans-epithelial cross-linking with riboflavin solution: one-year clinical results" 1st joint International Congress Refractive Online & SICSSO National Congress, July 7-9, 2011, Grosseto, Italy (Podium presentation).
- 9) "Trans-epithelial cross-linking with riboflavin solution: two-year clinical results" 2nd joint International Congress Refractive Online & SICSSO, Rome 2012 (podium presentation).
- 10) "Transepithelial Corneal Cross-Linking With Vitamin E-Enhanced Riboflavin Solution and Abbreviated, Low-Dose UV-A: 24-Month Clinical Outcomes" Cornea 2016;35:145-150.
- 11) "Corneal Cross-Linking: Evaluating the Potential for a Lower Power, Shorter Duration Treatment" Cornea 2016;35:659-662.
- 12) "Customized Corneal Cross-linking - A Mathematical Model" Cornea 2017;36:600-604.
- 13) "Transepithelial, custom, fast, low-fluence Cross-linking vs Dresden Standard" In press on Cornea Journal.

RIBOCROSS

Hyposmolar ophthalmic solution for corneal cross-linking.

Product Code	ITDOO2
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CE 0373
EP n° 2 459 186 B1
USP n° 9192594 B2

RIBOFAST

Dextran free, hyposmolar ophthalmic solution for corneal cross-linking.

Product Code	ITDOO3
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CE 0373
EP n° 2 459 186 B1
USP n° 9192594 B2



**Complete and flexible
Corneal Cross-linking**



CF X-LINKER
corneal cross-linking system



**Complete
Riboflavin
Family**



Complete and Flexible

CF X-LINKER® system allows to select different corneal cross-linking treatments, giving medical professionals the maximum flexibility, to meet every patient' needs:

- EPI-OFF CXL: Dresden protocol
- EPI-ON CXL: Iontophoresis
- EPI-ON CXL: Custom Fast Corneal Cross-linking (CFXL)*
- CXL for non-healing keratitis treatment
- Post refractive surgery CXL (PRK, LASIK)

*megaride protocol: only with RIBOCROSS® and RIBOFAST® ophthalmic solutions.

Optimized user experience

- Touchscreen display
- Easy to use interface
- Battery operated
- Treatment report for archiving and medico-legal purposes

Unique

CF X-LINKER® is the only system in the world able to perform Custom Fast Corneal Cross-linking protocol (CFXL):

- Fast, customized, low intensity EPI-ON CXL treatment
- Endothelial limit safeguard (0,35 mW/cm²) during the whole treatment
- Only 15 minutes of soaking, without additional use during the irradiation phase
- Suitable for corneas between 350 and 400 microns
- Maximized riboflavin penetration (Vitamin E TPGS)
- Doesn't need to be performed in the operating room
- Minimized patient discomfort



Flexible solutions for all CXL protocols

SERVImed developed its Riboflavin products to provide ophthalmologists all-in-one solutions for their Cross-linking procedures. All the riboflavin solutions can be used in all CXL protocols, with all devices:

- EPI-OFF CXL: Dresden protocol
- EPI-ON CXL: Iontophoresis
- EPI-ON CXL: Custom Fast Corneal Cross-linking (CFXL)*
- CXL for non-healing keratitis treatment
- Post refractive surgery CXL (PRK, LASIK)

*Only with CF X-LINKER® system.

RIBOCROSS

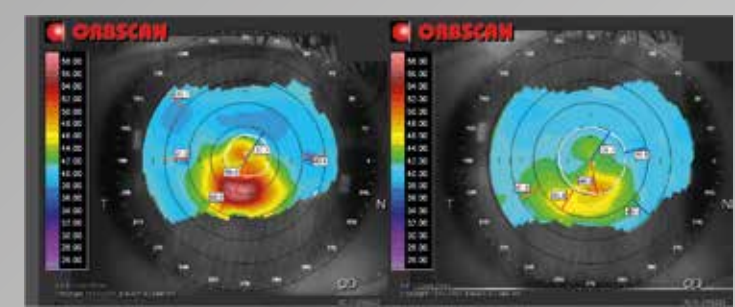
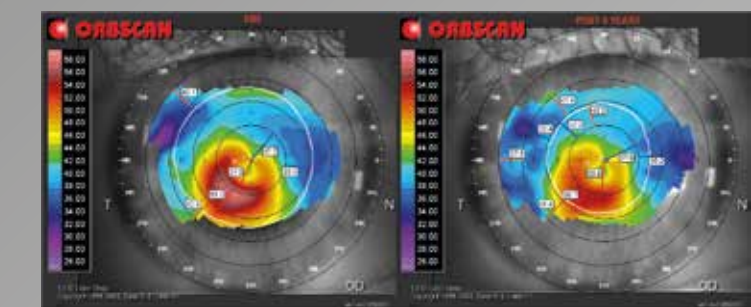
RIBOCROSS® is a universal corneal cross-linking solution. Its patented hyposmolar formulation allows a safe and effective cross-linking, improving the penetration through corneal stroma even in EPI-ON procedures.

This makes RIBOCROSS® an all-in-one solution, that can be used in every CXL protocol.



RIBOFAST

RIBOFAST® keeps the same flexibility and advantages of RIBOCROSS®, and is Dextran free. A patented, hyposmolar all-in-one solution that can be used in every CXL protocol.



High performance, proven results

Clinical studies showed that RIBOCROSS® allows for an effective riboflavin penetration in corneal stroma, even in EPI-ON protocols, after only 15 minutes of soaking. Thanks to its unique patented formulation, RIBOCROSS® showed great results in stabilizing corneal ectasiae, even in EPI-ON cross-linking treatments.

RIBOCROSS® and RIBOFAST® are the only solutions designed to perform Custom Fast Corneal Cross-linking protocol (CFXL).