



Corneal Cross-linking

Product catalog 2021

The complete solution for your Cross-linking practice

Thanks to its solid field experience and the collaboration with leading ophthalmologists, SERVImed developed a new generation of CF X-LINKER. The new CF X-LINKER was developed with improved technical features, along with a wider treatment range, for a complete and smooth surgical experience.

Technical specifications

- UV emission: 1-30 mW/cm²
- Beam Diameter: 3-12 mm
- Open system, compatible with every riboflavin on the market
- 10" touchscreen display with a user-friendly interface
- Integrated camera for live procedure view
- Treatment report & database
- USB port for report saving

Selectable treatments

- EPI-OFF: Dresden
- Iontophoresis
- EPI-ON: Custom Fast CXL (SERVImed worldwide exclusive)
- Keratitis CXL
- Continuous and pulsed
- User presets

Custom Fast CXL treatment

- CUSTOMIZED TREATMENT based on patients' corneal parameters
- SAFE: Completely non invasive, EPI-ON treatment;
- INNOVATIVE: Use of Vitamin E TPGS – enhanced riboflavin formulations for improved results
- CERTIFIED: International patents, validated by clinical studies and publications, with a 7-year follow up published in Cornea.

Product information



Class IIA Medical Device



Expanded treatment selection

- Dresden EPI-OFF
- Iontophoresis
- EPI-ON: Custom Fast CXL*
- CXL for infectious Keratitis
- User treatment presets
- Continuous and pulsed UV mode

*only with RIBOCROSS te® and RIBOFAST ophthalmic solutions.



Optimized user experience

- Open system, compatible with every riboflavin on the market
- 10" touchscreen display
- Easy to use interface
- Proprietary software
- Mathematical model for customization
- Integrated camera for real time procedure view



Smarter workflow

- Compile, save and print treatment reports directly on the device
- Integrated treatment database for easy reviewing
- Remote assistance

Custom Fast

Corneal Cross-linking

Based on the patients' corneal parameters, thanks to the proprietary mathematical model in the integrated software.

Customized
protocol



Completely non invasive, EPI-ON treatment.

Patient
friendly



First and only to use Vitamin E TPGS-enhanced riboflavin solutions for improved results.

Innovative
approach



Internationally published studies and clinical papers with a 7-year follow-up.

Certified
results



Riboflavin Solutions

RIBOCROSS te®

Ophthalmic solution for Corneal Cross-linking

- 10% Dextran
- Patented formulation with penetration enhancer (Vitamin E TPGS)
- Can be used with every CXL protocol and most UV devices on the market
- Can be used in CUSTOM FAST CXL protocol (only with CF X-LINKER System)

Product information



1,5 ml
single use
sterile syringe

CE Class IIA Medical Device

Patents: Italy, Europe, USA, Russia, Australia, South Africa, Brazil.

RIBOFAST

Dextran-free ophthalmic solution for Corneal Cross-linking

- Dextran-free
- Patented formulation with penetration enhancer (Vitamin E TPGS)
- Can be used with every CXL protocol and most UV devices on the market
- Can be used in CUSTOM FAST CXL protocol (only with CF X-LINKER System)

Product information



1,5 ml
single use
sterile syringe

CE Class IIA Medical Device

Patents: Italy, Europe, USA, Russia, Australia, South Africa, Brazil.

			
Product	CFX-LINKER®	RIBOCROSS te®	RIBOFAST
Description	Corneal Cross-linking System	Ophthalmic solution for Corneal Cross-linking	Dextran free ophthalmic solution for Corneal Cross-linking
Code	OFMUVACCLMG2010	ITD001	ITD003
Certificates	CE 1936	CE 0373 EP n° 2 459 186 B1 USP n° 9192594 B2	CE 0373 EP n° 2 459 186 B1 USP n° 9192594 B2

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) "Enhancement of corneal permeation of riboflavin-5'-phosphate through vitamin E TPGS: 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) "Corneal Cross-Linking - The Science Beyond the Myths and Misconceptions" Cornea. 2019 Jun;38(6):780-790.
- 14) "Topography and Pachymetry Guided, Rapid Epi-on Corneal Cross-Linking for Keratoconus: 7-year Study Results" Cornea 2020;39:56-62.
- 15) "Compaction of very thin corneas from ultraviolet A riboflavin-vitamin E transepithelial cross-linking" Experimental Eye Research 205 (2021) 108484.

Manufacturer:



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