



RIBOFLAVIN FAMILY

GLAUKOS®

For all your cross-linking needs – Riboflavin Formulations

Glaukos' scientifically-developed family of CE marked riboflavin formulations – VibeX Rapid™, VibeX Xtra™, ParaCel™ – ensure rapid diffusion in individual, sterile syringes for all your cross-linking needs.

We are proud to offer multiple CE marked riboflavin formulations which have set the standard for high quality riboflavin.

Glaukos riboflavin formulations have been used in hundreds of thousands of treatments around the world.

A Tradition of Quality & Excellence

- Long-established riboflavin supply combining innovative science and research with German manufacturing excellence
- CE marked products available worldwide
- Compliant with Annex V of EC-Directive 93/42/EEC
- ISO 13485 Certified manufacturer and facility
- Produced in world-class clean room; sterilized using validated and monitored processes

Our riboflavin formulations have been specifically designed to address the following cross-linking protocols:

- Epithelium-off treatment of keratoconus and corneal ectasia
- Trans-epithelial treatment of keratoconus and corneal ectasia
- Intra-stromal applications in conjunction with LASIK (Lasik Xtra®)



VibeX Rapid™

CE marked VibeX Rapid™ riboflavin is formulated to improve diffusion rates while decreasing corneal thinning. VibeX Rapid has a diffusion rate of twice that of standard riboflavin and is typically applied to the cornea after epithelium removal. UVA light from the KXL® system is then applied for cross-linking.

Technical Information

Formulation: 0.1% Riboflavin, Saline, HPMC

Procedure: Cross-Linking for keratoconus & corneal ectasia

Application: Epithelium-off



VibeX Xtra™

CE marked VibeX Xtra™ riboflavin is formulated specifically for use during the Lasik Xtra® procedure. VibeX Xtra is applied directly to the stromal bed prior to replacing the flap following excimer laser ablation. Formulated in an isotonic solution, VibeX Xtra diffuses quickly to minimize flap exposure time and deliver the appropriate concentration of riboflavin for cross-linking. Once the flap has been repositioned over the cornea, UVA light from the KXL® system is applied to activate VibeX Xtra to restore biomechanical integrity to the cornea.

Technical Information

Formulation: 0.22% Riboflavin, Saline, Isotonic

Procedure: Lasik Xtra

Application: Stromal Bed



Trans-Epithelial Kit

CE marked ParaCel™ is Glaukos's two-step trans-epithelial riboflavin specifically formulated for direct application on the intact epithelium. ParaCel's higher concentration of riboflavin and proprietary formulation allow for fast penetration and diffusion into the corneal stroma.

Intact epithelium diminishes the effects of cross-linking when low-powered UVA devices are used. Glaukos's KXL® system offers 45 mW/cm² of power for effective, cross-linking through the intact epithelium using ParaCel.

Technical Information

ParaCel Part 1
Formulation: 0.25% Riboflavin, Benzalkonium Chloride, EDTA, Trometamol, Hydroxypropylmethylcellulose with NaCl, Phosphate buffered saline solution

ParaCel Part 2
Formulation: 0.22% Riboflavin with NaCl, Phosphate buffered saline solution

Procedure: Cross-Linking for keratoconus & corneal ectasia

Application: Epithelium-on



FOR MORE INFORMATION ON RIBOFLAVIN
VISIT GLAUKOS.COM OR CONTACT YOUR
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GLAUKOS®

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