

VibeX™ Family of Riboflavin Products



Original

VibeX™ is Avedro's original formulation of riboflavin. VibeX is topically applied to the cornea after epithelium removal, then UVA light from the KXL System is applied to activate it for accelerated cross-linking.

Technical Information:

- Formulation
 - 0.1% Riboflavin
 - 20% Dextran
- Procedure - KXL for KC & Ectasia
- Application - Epithelium Off



For Faster Diffusion

VibeX Rapid™ is formulated with no dextran thus reducing corneal thinning. It has a diffusion rate of twice that of standard riboflavin. VibeX Rapid is topically applied to the cornea after epithelium removal, then UVA light from the KXL System is applied to activate it for accelerated cross-linking.

Technical Information:

- Formulation
 - 0.1% Riboflavin
 - Saline, HPMC
- Procedure - KXL for KC & Ectasia
- Application - Epithelium Off



For Lasik Xtra™

VibeX Xtra™ is formulated specifically for use during a 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
 - 0.25% Riboflavin
 - Saline
- Procedure - Lasik Xtra
- Application - Stromal Bed

ParaCel™ Trans-Epithelial Riboflavin



For Trans-epithelial Cross-linking (Epi-on)

ParaCel™ is Avedro's trans-epithelial riboflavin specifically formulated for direct application on the intact epithelium. Its higher concentration of riboflavin and proprietary formulation allow for the fastest penetration and diffusion into the corneal stroma.

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

Technical Information:

- Formulation
 - 0.25% Riboflavin
 - HPMC, BAC, EDTA
 - TRIS
- Procedure - KXL for KC & Ectasia
- Application - Epithelium On