

Family of Riboflavin Products



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 typically applied to the cornea after epithelium removal, then UVA light from the KXL or Mosaic System is applied to activate it for accelerated cross-linking.

Technical Information:

- Formulation
0.1% Riboflavin
Saline, HPMC
- Procedure
Accelerated Cross-Linking
for Keratoconus & Ectasia
- Application
Epi-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 or Mosaic Systems is applied to activate VibeX Xtra, restoring the biomechanical integrity of the cornea.

Technical Information:

- Formulation
0.22% Riboflavin
Saline
- Procedure
Lasik Xtra
- Application
Stromal Bed



For Trans-Epithelial Cross-Linking (Epi-On)

ParaCel™, Avedro's two-part trans-epithelial riboflavin, is 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 the effect of cross-linking when low powered UVA devices are used. Only Avedro's KXL and Mosaic Systems offer power high enough for effective, accelerated cross-linking through the intact epithelium using ParaCel.

Technical Information:

- Formulation
0.25% Riboflavin
HPMC, BAC, EDTA
- Procedure
Accelerated Cross-Linking
for Keratoconus & Ectasia
- Application
Epi-On

PiXL Fully Customizable Treatments



For PiXL

Photorefractive IntraStromal Cross-Linking

The Mosaic System delivers accelerated cross-linking as well as the PiXL procedure providing fully customizable intrastromal treatments. These treatments are based on each patient's topography and have uniquely designed energy delivery patterns.

Potential treatment options include refractive change for low myopia and post-cataract myopia and astigmatism with cross-linking alone.

Procedure Information:

- Riboflavin Solutions
VibeX Rapid
VibeX Xtra
ParaCel
- Procedures
Accelerated Cross-Linking
for Keratoconus & Ectasia,
Lasik Xtra, PiXL for Low
Myopia, Post-Cataract
Myopia & Astigmatism
- Application
Epi-On
Epi-Off