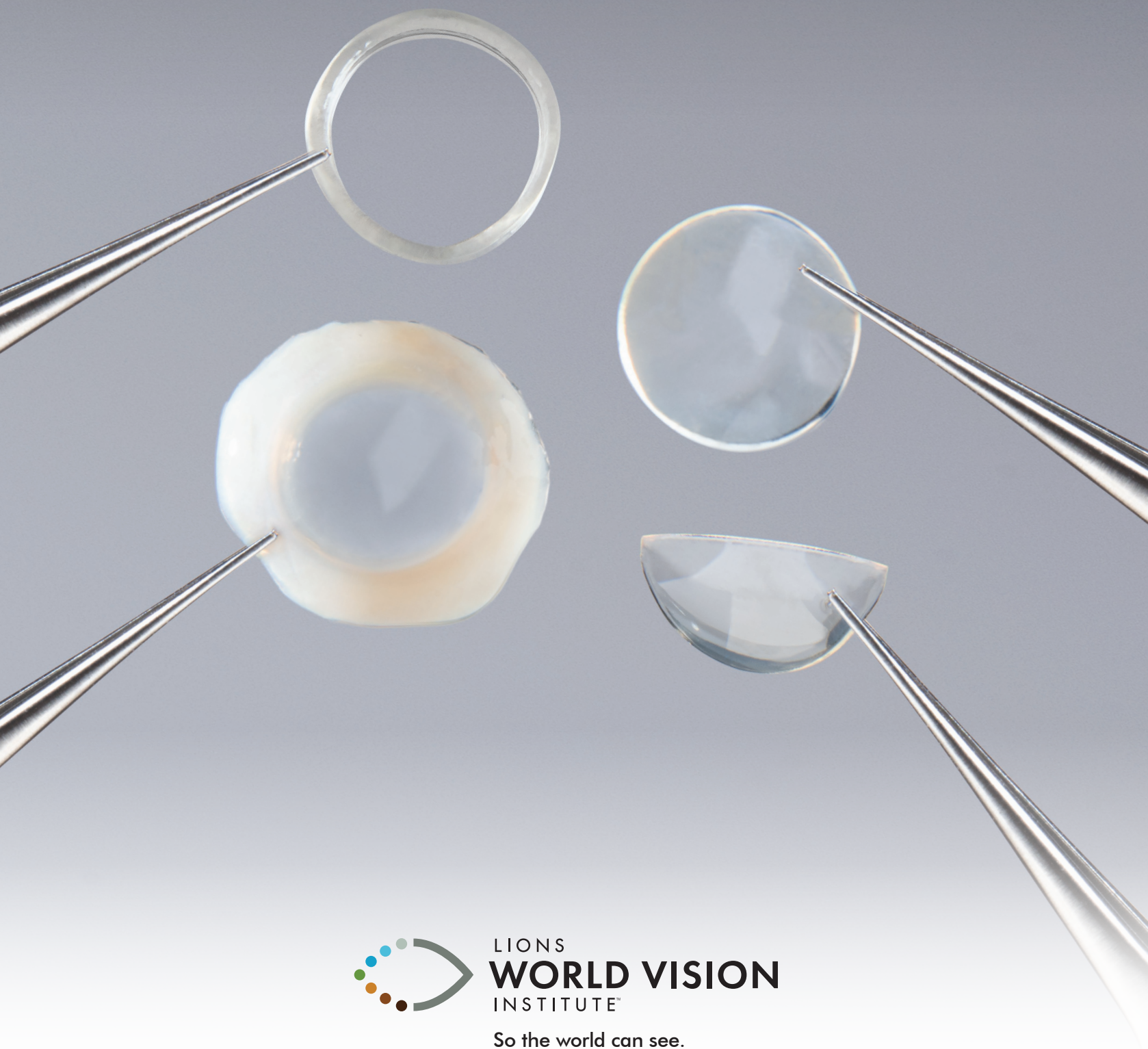


# OptiGraft<sup>®</sup>

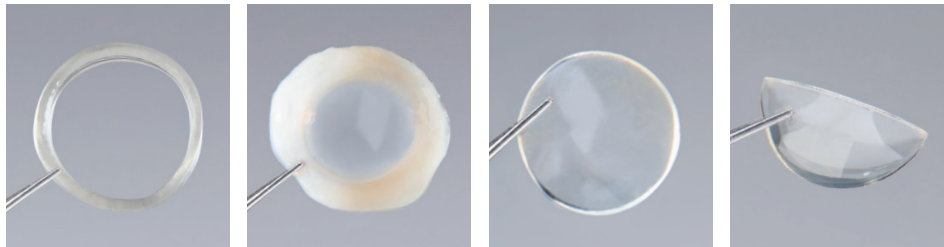
Sterile Ophthalmic Allografts

The Premium Choice for Corneal Applications.



LIONS  
**WORLD VISION**  
INSTITUTE™

So the world can see.



### Sterile Cornea for Corneal Surgery

- Cornea contouring
- Tectonic anterior lamellar keratoplasty (ALK/DALK)
- Boston keratoprosthesis (KPro)
- Corneal perforation
- Corneoscleral laceration repair
- Trauma and/or emergency

## Lions World Vision Institute has streamlined the preparation and sterilization process to provide premium sterile allografts with an optimal safety profile at a competitive cost.

- Clinical Experience**
- CAIRS with CXL is a viable alternative treatment for keratoconus that is simple, safe, and effective with good visual results.<sup>1,2</sup>
  - Bowman's layer onlay and inlay graft may be a feasible surgical technique providing corneal flattening in eye with advanced keratoconus.<sup>3</sup>
  - Bowman's layer onlay graft may be a feasible surgical procedure, with the potential to reduce superficial cornea scarring and/or anterior corneal irregularities.<sup>4</sup>
- Performance vs. Fresh**
- Extensive In vitro, In vivo, and Ex vivo studies determined the only differences exhibited by irradiated sterile corneas compared to fresh corneas were reduced expression of glycosaminoglycans resulting in greater tissue compression and lower Young's modulus.<sup>5</sup>
- Optimal Convenience**
- Ready-to-use tissue without rehydration or rinsing.
  - Improved packaging designed for ease of use.
- Optimal Safety Profile**
- Biocompatibility of allograft tissue reduces risk for extrusion compared to synthetic options.
  - Up to two-year shelf life at room temperature for scheduled or emergency cases.
  - Terminally sterilized to a sterility assurance level of 10<sup>-6</sup>.
- Optimal Savings**
- Significant cost savings from efficient operational design.

### Optimal Shape and Size

Tissue Type	Shape	Size & Thickness	Tissue Code*
Sterile Cornea	●	Whole moon, full thickness with scleral rim	V0103/V0106
Sterile Cornea	●	Whole moon, split thickness (9mm)	V0131/V0139
Sterile Cornea	◐	Half-moon split thickness (9mm X 4.5mm)	V0129/V0137
Bowman's Layer Lenticule	●	Anterior cornea 40-70 microns thick X 9mm dia.	V0197/V0196
Dua's Layer Lenticule	●	Dua's Layer 15-20 microns thick X 9mm dia.	V0439/V0438
CAIRS	○	Please contact our team for additional information Cornea@LWVI.org 813.289.1200 ext 980	V0101/V0099

\*Each pair of tissue codes are interchangeable and will provide the same type of graft. List both codes when ordering.

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