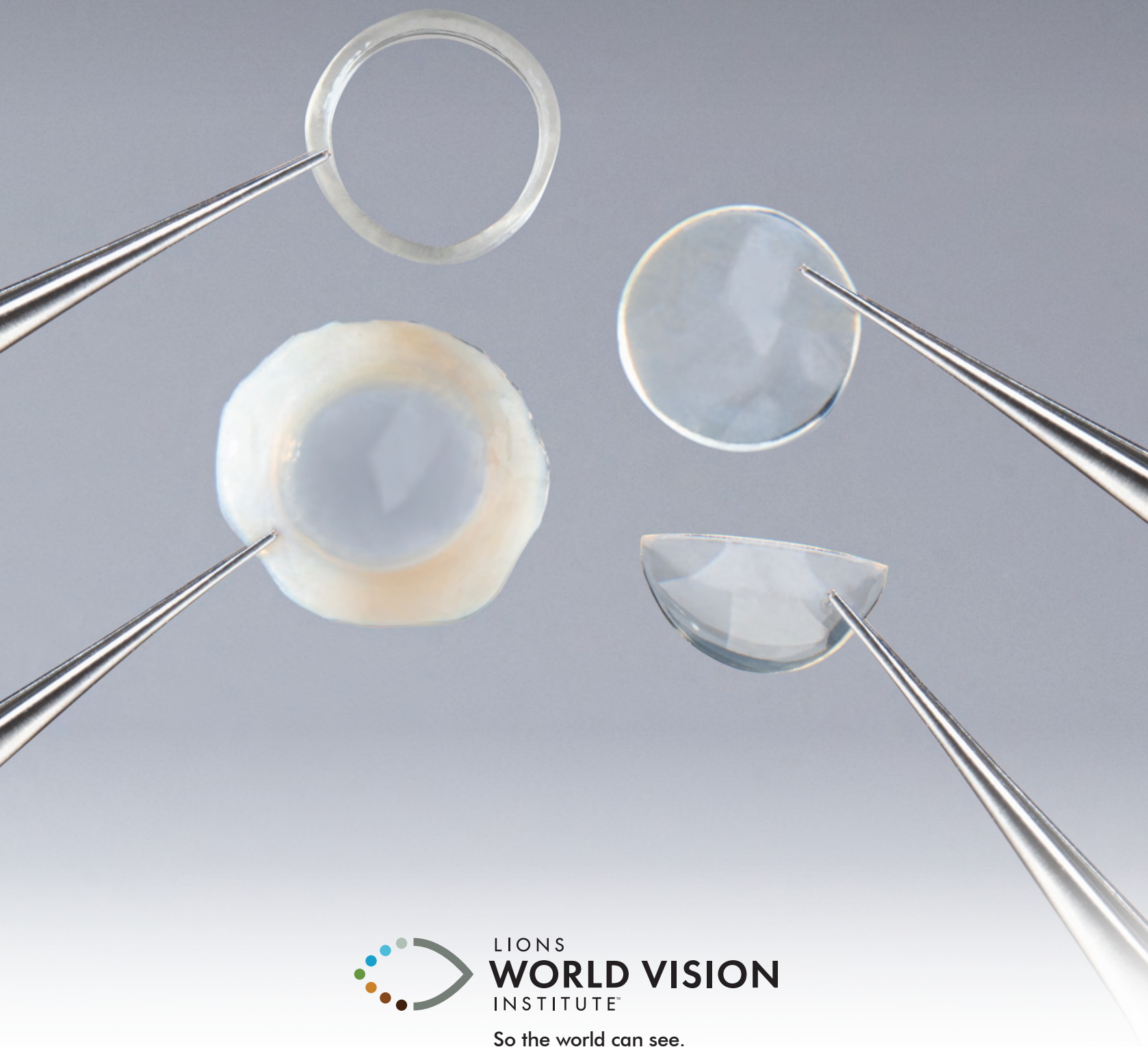


# OptiGraft®

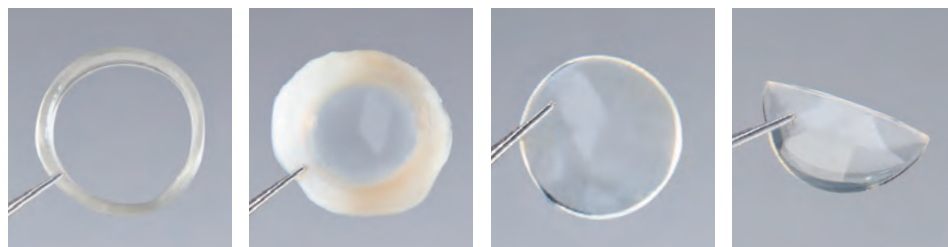
Sterile Ophthalmic Allografts

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<br>Cornea@LWVI.org 813.289.1200 ext 980 | V0101/V0099  |

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