

Preloaded Perfection

Predissected.
Prestained.
Premarked.
Prepunched.
Preloaded.

- Transplant-ready DMEK, PDEK, DSAEK grafts
- Orientation Marks: "S" or peripheral "I II"
- LEITR 2.0 Micro Jones Tube and EndoGlide™
- Over 1,000 preloaded grafts transplanted



Comprehensive Cornea Service

Precision Processing Down to the Micron*

- DMEK** Dissected to 10-15 microns
- PDEK** Dissected to 20-30 microns
- DSAEK** Precision prepared to your specifications
 - Ultra Thin 40-100 microns
 - Traditional 100+ microns
- ALK/DALK** (custom thickness)
- PKP** (full thickness)

Customize Your Specifications

- Preloaded DMEK, PDEK, DSAEK**
 - Prestained, Premarked, Prepunched**
- Non-Preloaded DMEK, PDEK, DSAEK**
 - Prestained, Premarked, Prepunched***

Orientation Mark Options for Premarked Tissue

- “S” stamp
- “I II” peripheral marks
- Custom markings

*+/- 20 microns for DSAEK, DMEK/PDEK thicknesses vary based on tissue anatomy.

**Choose one, a combination, or all options

***Non-Preloaded DSAEK Premarked only.

“The risk, stress, time and money of prepping my own tissue is eliminated with preloaded tissue from Lions Eye Institute. It allows me to focus on my patient by requesting specific preferences from their technicians—they prepare more corneas weekly than many surgeons would in a year.”

—Benjamin K. Lambright, M.D.



Preloading Since 2012

Over 1,000 Preloaded Grafts Transplanted

Preloaded DMEK, PDEK, or DSAEK tissue arrives transplant-ready and specifically prepared for your patient. Our certified eye bank technicians process tissue daily using validated processes in accordance to EBAA Medical Standards.

Save time, reduce stress, risk, and cost

- Tissue is dissected, stained, marked, punched, and loaded
- Eliminate cost of stain, trephine, injector, and preparation time

Preloaded Injector Options

LEITR 2.0 Micro Jones Tube*

Design Details & Advantages

- 1) Wide-end for graft loading designed to reduce endothelial damage
- 2) Wide-body to promote cell preservation
- 3) Narrow insertion tip to reduce the need for suture
- 4) Breathable plug allows fluid exchange



Coronet™ EndoGlide™

Preloaded DSAEK grafts arrive precision prepared, stained, marked, and trephined to specified size.

- Pull-through technique used to introduce graft to the AC
- Added surgeon control in anterior chambers with compromised anatomy



“The 2.0 Micro Jones Tube injector shortens the learning curve for DMEK and PDEK. Post-prep verification ensures that the endothelial cells are healthy. Even better, the injector goes through a 2mm incision. It can’t get any easier for a surgeon!”

—Ahad Mahootchi, M.D.



*Designed and exclusively offered by Lions Eye Institute for Transplant & Research

45 Years of Innovation, Research, & Service

**The Largest Combined Eye Bank and Ocular Research Center
in the World, and a Nonprofit Organization.**

Innovation

- 1st to Preload DSAEK, DMEK, and PDEK
- Over 1,000 Preloaded Grafts Transplanted
- 1st to offer 2.0mm glass injector for DMEK & PDEK
- One World Sight Alliance, for international distribution
 - Provides access to the largest source of corneas made possible by 22 eye bank partners
 - Serving 80 countries and 400 surgeons

Research

- Optimal research environment and support staff to facilitate ocular research for ophthalmic pharmaceutical and medical device advancements
- Repository of normal and diseased ocular tissue combined with clinical and familial data – Only comprehensive database of its kind
- Capacity to host concurrent studies in confidential, neutral environment

Service

- Ability to provide high volume, high quality human ocular tissue for transplantation and research
- Over 50,000 ocular globes for research provided to help restore the “Gift of Sight” to more than 130,000 men, women and children worldwide
- Providing surgical training programs led by the pioneers of EK procedures

Much of our work is technical, but underlining our daily activities there is a deep respect and honor for the donor and their family, who make the gift of sight possible.



*One World Sight Alliance:
international distribution
service with online access to
the largest source of corneas.*



Contact us

For more information or to request tissue for your next case.

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