

SERVICES CATALOG

Sierra Donor Services Eye Bank

an extraordinary commitment to science, health and hope







TABLE OF CONTENTS

WHO WE ARE	2
OCULAR FACILITY	3
MEDICAL DIRECTORS	4
EDUCATION	5
RESEARCH & DEVELOPMENT	5
TISSUES OFFERED	6
LONG TERM PRESERVED TISSUE	9
VIDARIS	10
HUMANITARIAN	12
EYE BANK PARTNERSHIPS	13

WHO WE ARE



Sierra Donor Services Eye Bank (SDSEB) is a nonprofit donor network facilitating the gift of sight in the states of California, New Mexico, Nevada, and Tennessee. SDSEB is part of the DCI Donor Services, Inc. family of organ and tissue procurement organizations.

At SDSEB, we've proudly been providing the Gift of Sight in our communities for 50 years. Our first eye bank was founded in 1975 by the UC Davis Department of Ophthalmology and the Northern California Lions Sight Association. Services quickly expanded to include musculoskeletal, skin, and cardiovascular banking in the 1980s, and in 1996, UC Davis transferred their donation program to DCI Donor Services, changing the name to Sierra Eye and Tissue Donor Services.

The Lions Eye Bank of Middle Tennessee was founded in 1990 to serve those in the state of Tennessee. The eye bank merged with DCI Donor Services in 1999, becoming Tennessee Donor Services. Eye bank operations for both regions merged in 2012, and in 2014, DCI Donor Services created a new division, Sierra Donor Services Eye Bank.

MISSION STATEMENT

Our core purpose is to "save and improve lives." We do this by fostering an environment where selfless professionals are committed to life-changing work; our performance is measured by the impact we have on those who make transplant possible and those whose life is enhanced by these gifts. By supporting a local focus on donors, donor families, and the lives of those we impact, being a stable community member and putting patients first we can maximize the Gift of Sight.

OFFICE LOCATIONS

West Sacramento, CA

Nashville, TN

Reno, NV

EYE BANK ACCREDITATIONS/CERTIFICATIONS/MEMBERSHIPS

- Eye Bank Association of America
- California Department of Health
- Maryland Department of Health
- Food and Drug Administration
- Canadian Ministry of Health
- Israel Ministry of Health
- Vision Share
- License for the Production of Biologics (CA)

EBAA ACCREDITED

OCULAR FACILITY

PROCESSING EXCELLENCE

Advancements in cornea transplantation have revolutionized the modern-day eye bank's role in patient care, increasing the collaboration between surgeons and eye bank to provide patients with the best possible outcomes. SDSEB takes this charge very seriously and, as a result, we have invested in equipment and laboratory facilities that exceed all industry standards.

Our eye bank processing environments are comprised of ISO 5 and ISO 7 clean rooms with a controlled ante-room environment, which are monitored 24/7 and well stocked with equipment from some of the most reputable brands, such as Haag-Streit™, Konan™, Leica™, and Optovue™.



SAFETY FIRST

Adhering to the highest standards for safety and efficacy of tissues, SDSEB is the preferred provider of corneal tissue in the communities from where our donor tissue is recovered.
We are driven by a team of professionals who are passionate about assuring that quality ocular grafts are delivered to meet surgical needs and improve the lives of patients. As a result, our robust quality systems ensure that each ocular graft meets or exceeds stringent regulatory and safety requirements. This includes full accreditation for recovery, processing, tissue storage, final distribution, tissue evaluations, and donor eligibility determination by the Eye Bank Association of America (EBAA), registration with the U.S. Food and Drug Administration (FDA), and Biologics License for the State of California, Department of Health.

MEDICAL DIRECTORS



MARK J. MANNIS, M.D.

UC Davis Professor, Former Chair of the Department of Ophthalmology, Vision Science and Director of the UC Davis Health System Eye Center



JENNIFER LI, M.D.

Director, Cornea and External Disease Service; Professor, Department of Ophthalmology at UC Davis Health System Eye Center

ASSOCIATE MEDICAL DIRECTORS



ERICH B. GROOS JR., M.D.

Founding partner of Cornea Consultants of Nashville and Medical Director of the Eye Surgery Center of Nashville



CALEB MORRIS, M.D.

Cornea and Cataract Surgery Specialist at Nevada Eye Consultants

EDUCATION

We offer wet labs and training sessions to help with your understanding of our services. We also offer one-on-one training to preview and practice with our tissue devices to prepare you for surgery with one of our experienced technicians. If you or your team are interested in learning more about the process of donation as well as cornea recovery, processing and distribution, we would be honored to have you tour our facility.



RESEARCH & DEVELOPMENT

We honor those donors who wish to help cure blindness by providing tissue that can be used for training and research whenever transplantation is not an option. Please contact us to learn more about how we can support reputable institutions that are conducting groundbreaking vision research and training.



"Thanks to Sierra Donor Services Eye Bank, our lab has been able to create an optimized patient-derived corneal epithelial cell line protocol, which we have submitted for peer-review publication. This cell line is invaluable for high-impact translational research to discover new treatments for ocular surface diseases."

-Neel Pasricha, M.D.
UCSF Health

TISSUES OFFERED



DSAEK

Descemet Stripping Automated Endothelial Keratoplasty

Partial thickness grafts for posterior lamellar procedures. Tissue is pre-cut to surgeon specifications, from 50µ – 140µ.

Orientation markings can be made on the graft as requested.
Graft diameter ranges from 7.0-8.5mm.

PRE-LOADED DSAEK TISSUE OPTIONS

- **CORONET® – DSAEK EndoGlide™ Ultrathin**

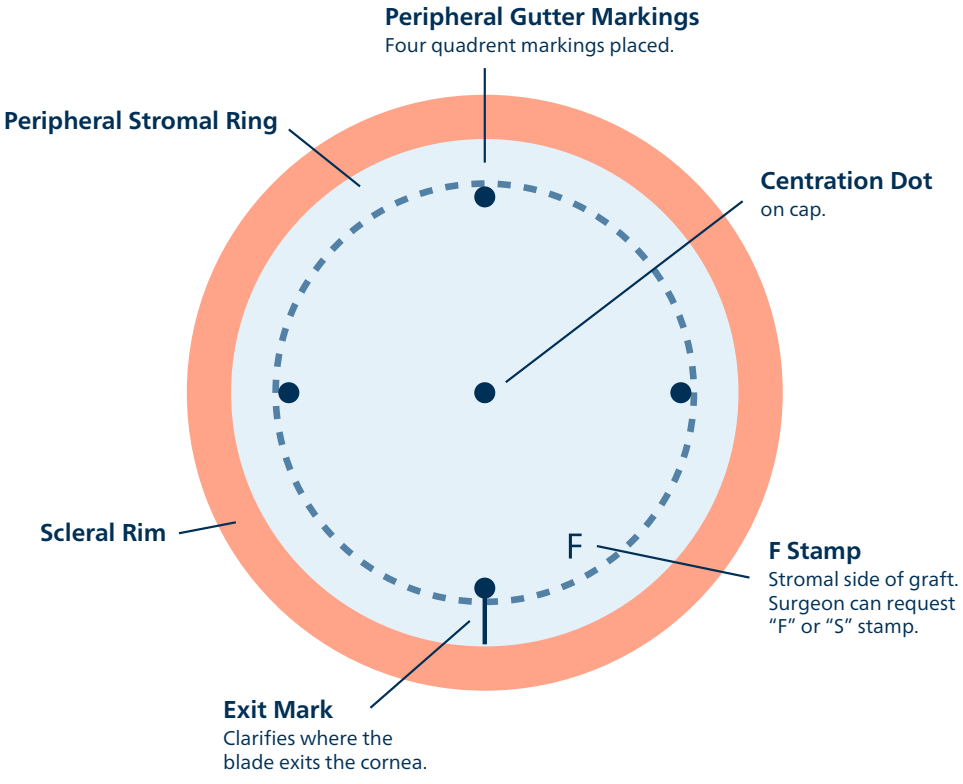
  Uses controlled pull-through paracentesis approach.
  Recommended incision size is 4.5mm.

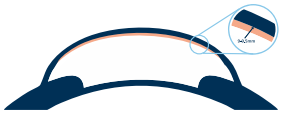
- **Besson Jones Tube**

  Push through inserter preserving corneal endothelium.
  Recommended incision size is 4.5mm.

- **TissueGUARD DSAEK**

  Push through inserter preserving corneal endothelium.
  Recommended incision size is 3.5mm.





DMEK

Descemet Membrane Endothelial Keratoplasty

DMEK grafts are peeled with a peripheral hinge attachment and yield a greater than 8mm diameter graft. An “F” or “S” orientation marking can be made on the graft upon request.

Pre-loaded DMEK tissue has been prepared in an aseptic manner using the modified scuba technique. Typical graft diameters are 7.5mm, 7.75mm, and 8mm.

PRE-LOADED DMEK TISSUE OPTIONS

- **Micro Jones Tube**

  Recommended incision size is 2.2mm.

- **Modified Jones Tube**

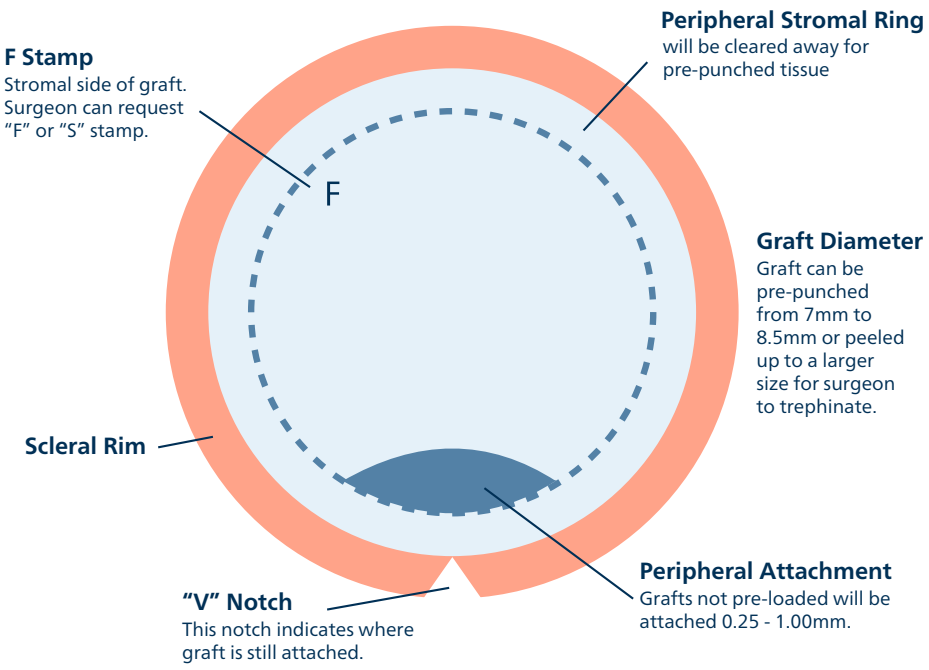
  Recommended incision size is 3.2mm.

- **CORONET® – DMEK EndoGlide™**

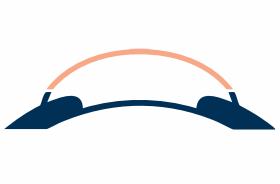
  Uses controlled pull-through paracentesis approach.
  Endothelium-in prepared tissue.
  Recommended incision size is 2.65mm.

- **TissueGUARD DMEK**

  Endothelium-in prepared tissue.
  Recommended incision size is 2.6mm.



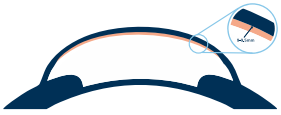
TISSUES OFFERED (CONT.)



PKP

Penetrating Keratoplasty

Full-thickness cornea grafts for penetrating keratoplasty procedures.



ALK

Anterior Lamellar Keratoplasty

Partial thickness corneal grafts for anterior lamellar procedures to help correct high-degree refractive abnormalities. Surgeons can request a full thickness graft and prepare it themselves for deep lamellarprocedures, or the graft can be pre-cut at the eye bank to specifications for superficial lamellar applications.

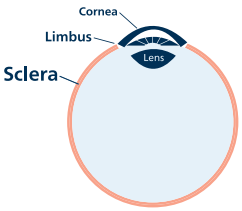


DMAK

Descemet Membrane Anterior Keratoplasty

Decellularized Descemet membrane graft for the front surface of the cornea to provide structural support and a regenerative scaffold for patients with severe ocular surface disease and impaired corneal wound healing.

LONG TERM PRESERVED TISSUE



SCLERA

Scleral tissue preserved in ethyl alcohol for various oculoplastic, glaucoma, and anterior segment surgical applications. This tissue is available in ¼, ½, or whole cup sizes.



AMNIOTIC MEMBRANE ALLOGRAFTS

Minimally processed to preserve the native structure of the tissue, dehydrated, and terminally sterilized with gamma irradiation to a 10^{-6} sterility assurance level (SAL) to ensure recipient safety. The amnion layer is gently separated from the chorion layer producing a thin, transparent, elastic membrane that acts as a protective barrier.

Typical ocular disc size options 9mm, 12mm, 15mm.
Custom sizes are available upon request



HALO®

halo® is a sterile, biocompatible tissue allograft designed to address a wide range of ocular surface and corneal conditions.



KERANATURAL®

For CAIRS Procedures

KeraNatural™ Sterile Allografts and Ring Arcs are advanced, ready-to-use corneal tissue products designed for ophthalmic surgical procedures. These allografts provide surgeons with high-quality, sterile, and easy-to-handle solutions for a variety of corneal repair and reconstruction needs.

VIDARIS

autologous serum eye drops

PROVIDING FOR YOUR PATIENTS

Certain medical conditions and procedures can affect the eyes' ability to properly lubricate the corneal surface. The application of serum eye drops may help alleviate discomfort from dry eyes.

Synthetic eye drops have been unable to mimic the effectiveness of normal tear film for severe dry eye disease patients. VIDARIS Autologous Serum Eye Drops (ASED) are derived from the patient's own blood serum and contain many of the same biochemical properties, so they are able to nourish the eye like natural tears. ASED can improve the epithelial surface environment of the eye and provide the corneal surface with the chemotactic factors, nutrients, and growth factors necessary for proliferation and therapeutic effect in ocular surface disorders.



"Autologous serum eye drops have been a wonderful tool for treating patients with a variety of ocular conditions. The consistent positive effects of serum tears coupled with their streamlined processing and production has led to many happy patients in our exam chairs."

-Jamison Engle, MD
Nevada Eye Consultants



RELIEF YOU CAN RELY ON

PRACTICAL

We can process different concentrations based on your patients needs. As a non-profit, we make this therapy an economical option for your patient.

CONVENIENT

Our staff will coordinate blood draw, billing, and delivery once treatment is prescribed.

SAFETY

Every batch of eye drops undergoes a 14-day fungal and bacterial culture to ensure sterility prior to distribution to the patient.

QUALITY

Our processing method underwent rigorous validations to ensure stability and safety under conditions. The eye drops are processed in an ISO 5 environment, meeting or exceeding industry standards. We were granted a Biologics License from the state of California, Department of Health for the production of ASED.

HUMANITARIAN

At Sierra Donor Services Eye Bank (SDSEB), we believe in the transformative power of the “gift of sight.” Through partnerships with physicians both in the U.S. and across the globe, SDSEB works to address curable blindness by providing corneal tissue for transplant. Our humanitarian efforts extend far beyond local borders, and we’ve supported countless disadvantaged communities in need of ophthalmic care.



International mission trips have taken local surgeons and partners to the Caribbean, Central and South America, Asia, and Africa, where access to specialized eye care is limited. These efforts have had a lasting impact, not only by directly treating patients, but also by empowering local medical professionals. Through these missions, we have assisted in the training of physicians, ophthalmic nurses, and technicians, equipping them with the skills to continue providing eye care in their own communities.

10,000+ patients receiving the gift of sight

20+ years of international aid work

30+ countries impacted by cornea donation

Since early 2000s, we’ve worked with surgeons who have traveled the world to bring ophthalmic care to disadvantaged countries. Many of these missions not only directly improve the lives of the patients being treated but involve training local nurses and physicians on procedures that can have a lasting impact on communities at large.







EYE BANK PARTNERSHIPS

Vision Share is a 501 (c)(3) non-profit organization. They are the world's largest network of eye banks, bringing together eight remarkable eye banks across the U.S., including Sierra Donor Services, all Eye Bank Association of America (EBAA) certified, and Food and Drug Administration (FDA) registered. Since 1998, they've built a simple yet powerful idea: pooling resources to provide surgeons with reliable, high-quality ocular tissue tailored to their needs.

Today, Vision Share's network supports transplant and research programs in more than 30 countries. Every partnership they build—with surgeons, hospitals, surgery centers, academic institutions, and other eye banks—is rooted in accountability, empathy, and trust. In 2023, they were honored to join the Global Alliance of Eye Bank Associations (GAEBA), strengthening our ability to advocate for eye donation and eye banking on a global scale. To date, the Vision Share network has provided over 138,000 corneas to patients around the world, transforming lives and restoring vision.

"With a superb administrative staff and a team of very skilled eye bank technicians, Sierra Donor Services Eye Bank has provided over 1500 corneas for transplant in the past year in addition to other tissues as well as autologous serum tears. The wonderful success of corneal transplantation in our region is, in no small part, due to the exceptionally fine organization that has evolved over five decades."

- Mark J. Mannis, MD
UC Davis Eye Center





"I am extremely grateful to Sierra Donor Services Eye Bank for donating corneal tissue for multiple mission trips to Honduras over the past 12 years. Thanks to their generosity, we have been able to perform PKPs, DALK and DSAEK transplants in patients with the greatest need. SDSEB also donated tissue for teaching and wet labs with Honduran ophthalmology residents. I know I can always count on SDSEB's support locally and internationally!"

- Patricia Sierra, MD
Sacramento Eye Consultants

Sierra Donor Services Eye Bank

an extraordinary commitment to science, health and hope

CALIFORNIA

3940 Industrial Blvd.
West Sacramento, CA 95691

TENNESSEE

566 Mainstream Dr., Suite 300
Nashville, TN 37228

NEVADA

190 W Huffaker Ln, Suite 401
Reno, NV 89511

sierraeyebank.org

eyebank@dcids.org • 1-800-435-5780