

INSTRUMENTS FOR CORNEAL PROCEDURES

AFFORDABLE. RELIABLE. PRECISE.

INTRODUCTION

The last decades have brought a revolutionary shift in the treatment of corneal endothelial disease. 15 years ago the only surgical treatment for corneal disorders was penetrating keratoplasty.

Although used successfully for over a century, penetrating keratoplasty requires many months of refractive adjustments before the eye achieves visual stability. Starting with the advent of posterior lamellar keratoplasty, a number of procedures have been developed, refined, and widely adopted, which have given patients faster recoveries and improved globe stability in comparison to traditional corneal transplantation. Each iteration of endothelial keratoplasty has involved the increasingly selective transplantation of corneal endothelial cells.

Constantly tracking the latest developments in eye surgery, we at RUMEX have designed a lineup of top quality instruments for all up to date techniques of corneal transplantation.

All instruments in this brochure are organized as sets according to the procedures of penetrating and lamellar keratoplasty. Sets are advisory, and if your surgical technique or professional preference requires a customized set, you can easily modify it by picking necessary instruments from a wide range of RUMEX products.

HOW TO PLACE AN ORDER

All the orders can be easily placed and paid online according to your shipping location directly via one of RUMEX online stores or through your local RUMEX representatives.



If your shipping country is USA you are welcome to order at **rumex.us**

If your shipping country is within Europe please visit **rumex.eu** to make your order.

For other regions visit rumex.com and find your local RUMEX representative.

Pricing

The prices are detected automatically by your location. The pricing policy may vary from region to region. If you are an international customer, please ask your local distributor for the current prices.

Shipping

We provide our retail customers with two delivery options: via local distributor or by direct shipment from our warehouses. Purchasing with our company is simple and convenient. Processing orders quickly and efficiently is a matter of primary importance to us!

Warranty conditions

For all instruments, RUMEX provides a lifetime warranty against any manufacturing or material defects. After carrying out a due expert analysis, if the defect was not caused by the improper handling or misuse, we will provide you either a 100% compensation or a free of charge exchange of a defective instrument for a new one. In some cases when instruments are improperly used or mishandled this may lead to occurrence of non-manufacturing defects which are not covered by RUMEX lifetime warranty. To avoid such cases please read carefully and always follow our sterilization and care instructions or consult our customer service for proper handling instructions.

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+ 371 6616 3182 (for Europe, Asia, Africa, Latin America)

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COOPERATION WITH ERIC ABDULLAYEV, MD, MBA, CEBT

Some of the featured corneal instruments were developed in cooperation with Eric Abdullaev, MD, CEBT, Manager of Clinical Development and Innovations at Lions Eye Institute for Transplant & Research, Inc., USA.

He's been involved in eye banking community since 1996, after ten years of being cardiothoracic.

Dr. Abdullayev has many scientific publications on new techniques and procedures of eye banking, corneal transplantation and preservation. He is a creator of Nano-Cut Precise[™] and Punch Ready DMEK[™] ocular grafts.



3-0231

3-0230

Abdullayev Corneal Marker for Keratoplasty



Double-ended (10.00 mm and 11.00 mm diameters).

With central marking point.

Improves centration of the cornea during DSAEK microkeratome preparation.

Allows quick placement of the central dot.

Facilitates placement of the donor corneas on to the donor punch.

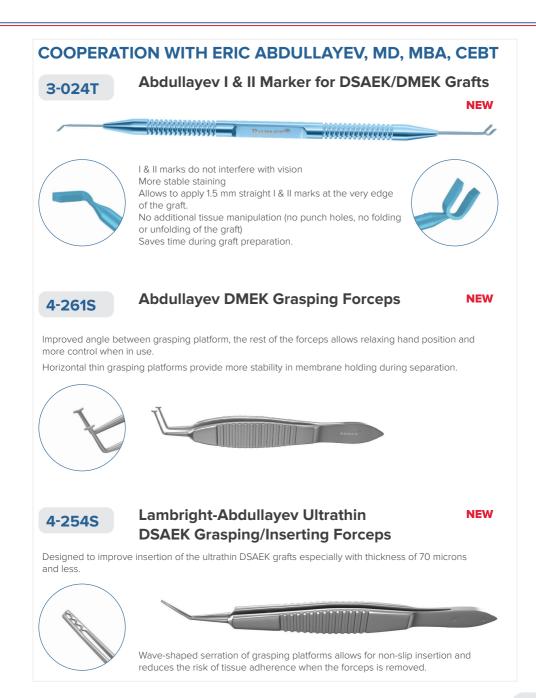
Abdullayev Scleral Marker for Keratoplasty



Double-ended (16.00 mm and 16.50 mm diameters)

Improves scleral rim trimming process for corneas with large scleral rim prior to microkeratome processing.

Eliminates additional measurement.



DEEP ANTERIOR LAMELLAR KERATOPLASTY (DALK)

Partial-thickness cornea transplant procedure allows to perform selective transplantation of the corneal stroma, leaving the native Descemet's membrane and endothelium in place.

INSTRUMENTS ARE GROUPED ACCORDING TO A SURGERY STEP

"BIG BUBBLE" CREATION



Blunt beveled tip helps to create a track in deep stroma for the further cannula inserting.

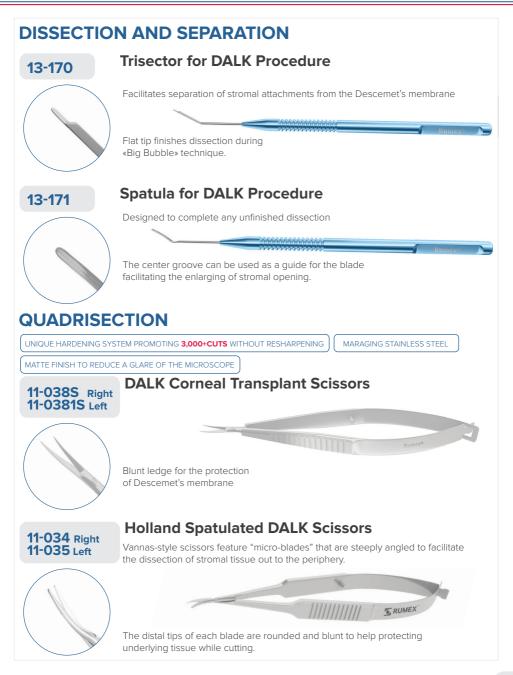
15-450-27 Cannula for DALK Procedure, 27 Ga

Allows to achieve ideal "Big Bubble"



Bottom port 0.2 mm

DEEP ANTERIOR LAMELLAR KERATOPLASTY (DALK)



ENDOTHELIAL TRANSPLANTATION (DMEK, DSAEK, DSEK)

Endothelial transplantation is a surgical procedure that involves replacement of diseased posterior cornea with donor tissue while retaining the anterior corneal layers. The aim is to replace only the dysfunctional endothelial layer with healthy functioning endothelium.

CRUMEX

DLEK (Deep Lamellar Endothelial Keratoplasty)

DSEK (Descemet's Stripping Endothelial Keratoplasty)

DSAEK (Descemet's Stripping Automated Endothelial Keratoplasty)

DMEK (Descemet's Membrane Endothelial Keratoplasty)

GRAFT PREPARATION

3-0231

Abdullayev Corneal Marker for Keratoplasty

COMING SOON

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3-0230

Double-ended (10.00 mm and 11.00 mm diameters) With central marking point Improves centration of the cornea during DSAEK microkeratome preparation. Allows quick placement of the central dot. Facilitates placement of the donor corneas on to the donor punch.

> Abdullayev Scleral Marker for Keratoplasty

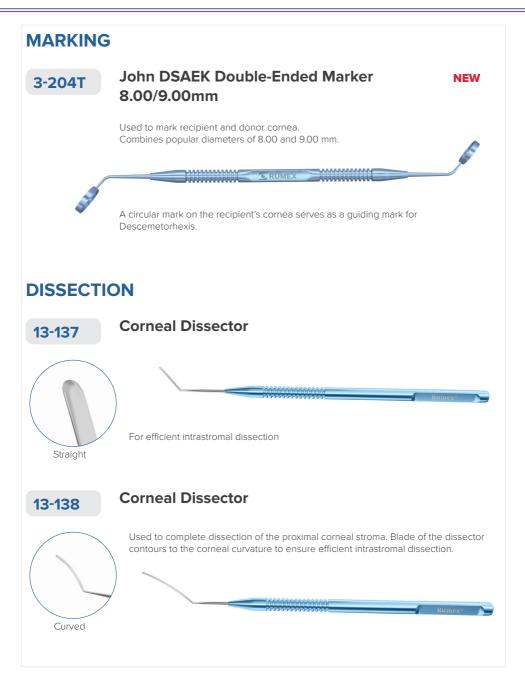
Double-ended (16.00 mm and 16.50 mm diameters) Improves scleral rim trimming process for corneas with large scleral rim prior to microkeratome processing.

Eliminates additional measurement.

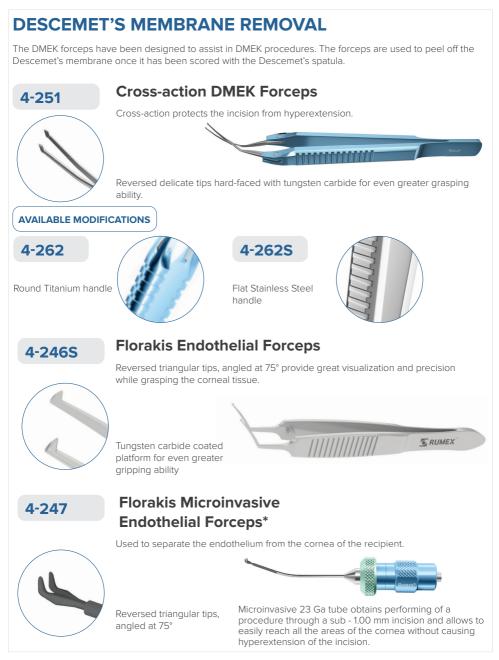
RUMEX





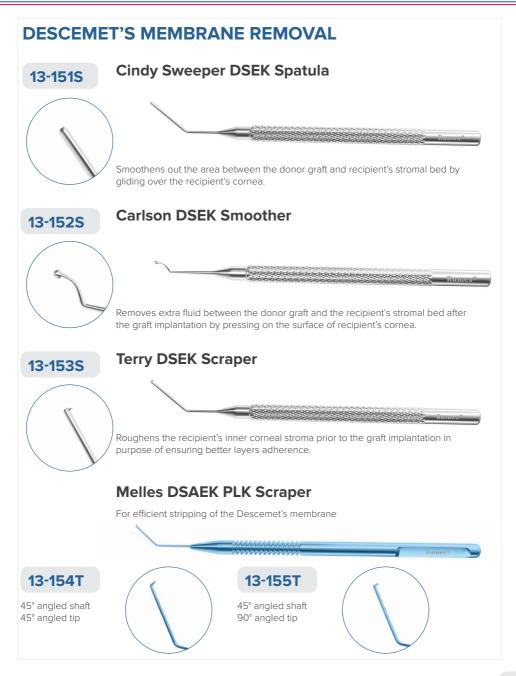






*Tip Only. To be used with Universal Handle 12-003T







13-150T

Spatula-Guide for Corneal Endothelium Implantation

Facilitates preparation of the graft for insertion and protects endothelial cells during implantation into the inner cornea so that the donor disc is not compressed as it passes inside the eye.



/ Can be used together with 4-034 Forceps for Corneal Endothelium Implantation

4-034*

Forceps for Corneal Endothelium Implantation

For inserting the donor button with the pull-through technique. Provides the security of corneal stromal layer avoiding endothelial cell damage.

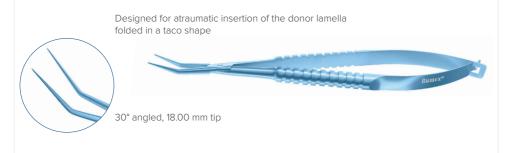


4-2019T



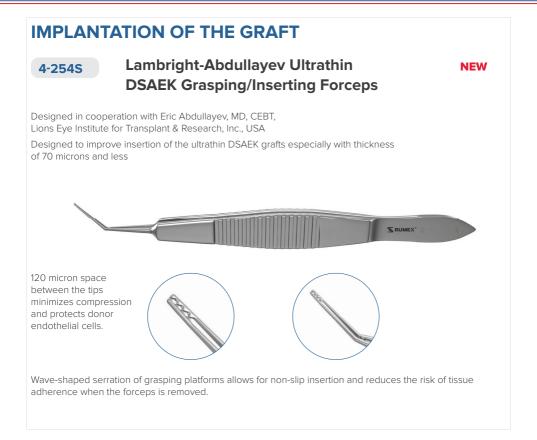
Blunt tips with delicate atraumatic grooves on jaws fix corneal stromal layer firmly.

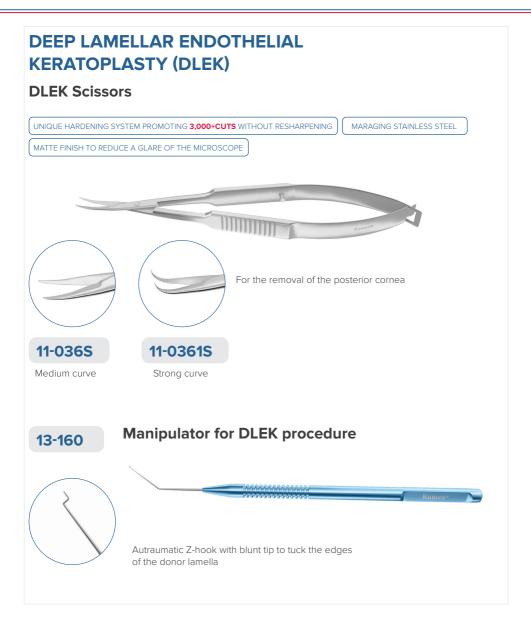
Corneal Donor Insertion Forceps

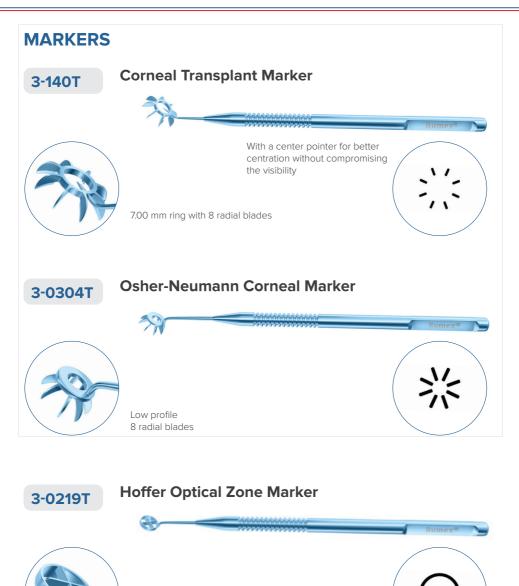


*Tip Only. To be used with Universal Handle 12-003T

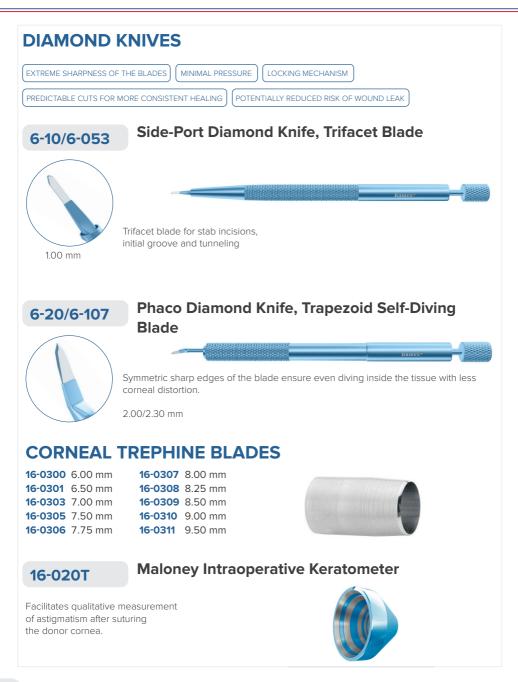
Product design and/or features that do not influence its functionality and main parameters are subject to change.



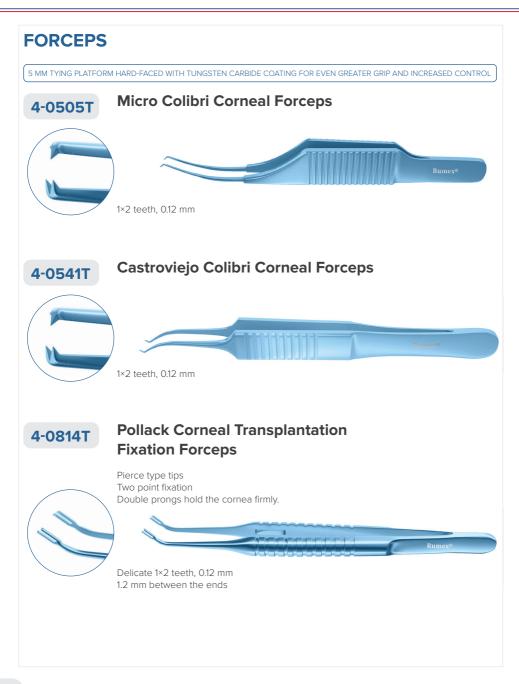


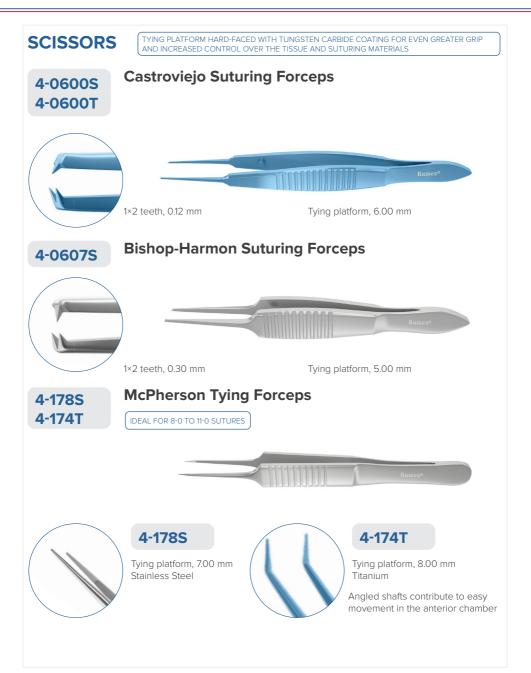


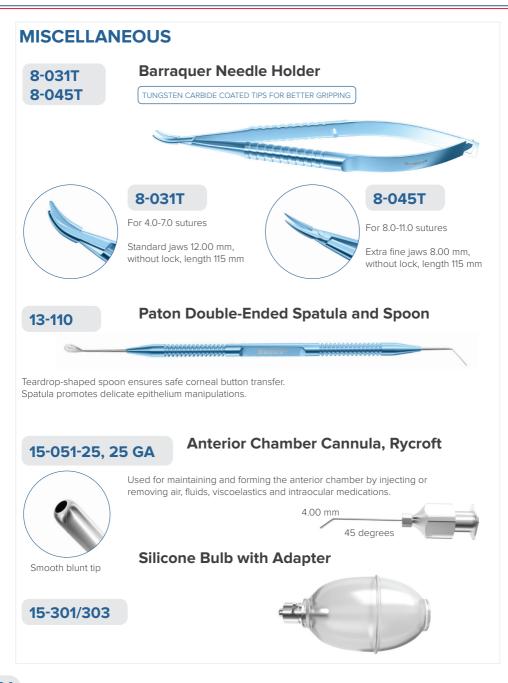
9.00 mm Cross-hairs allow viewable and thus accurate orientation of the circular marks.



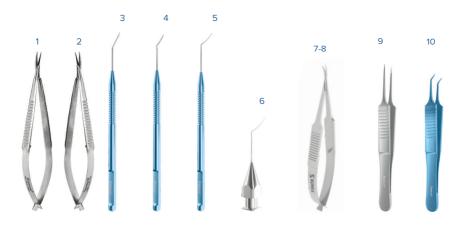
SCISSORS UNIQUE HARDENING SYSTEM PROMOTING 3.000+CUTS WITHOUT RESHARPENING MARAGING STAINLESS STEEL MATTE FINISH TO REDUCE A GLARE OF THE MICROSCOPE Westcott Tenotomy 11-040S **Scissors** Blades of equal length close with minimal friction allowing for high precision of cuts. Blunt autraumatic tips Westcott Stitch 11-044S Scissors Blades of equal length close with minimal friction allowing for high precision of cuts. Pointed tips **Katzin Corneal** 11-0205 Left 11-02015 Right **Transplant Scissors** Strongly curved delicate blades allow to precisely perform cuts of the corneal tissue. **Castroviejo Corneal** 11-024S Left 11-0241S Right Section Scissors Lower blade is 0.50 mm longer than the upper one in order to cause minimum changes to the cornea, accommodating to its curvature and thickness.







DALK SET



Reference	Key	Description
11-038S	1	Scissors for DALK Procedure, Right
11-0381S	2	Scissors for DALK Procedure, Left
13-170	3	Trisector for DALK Procedure
13-171	4	Spatula for DALK Procedure
13-172	5	Dissector for DALK Procedure
15-450-27	6	Cannula for DALK Procedure, 27 Ga
11-134	7	Holland Spatulated DALK Scissors, Right
11-135	8	Holland Spatulated DALK Scissors, Left
4-178S	9	McPherson Tying Forceps, Straight, Stainless Steel
4-174T	10	McPherson Tying Forceps, Angled, Titanium



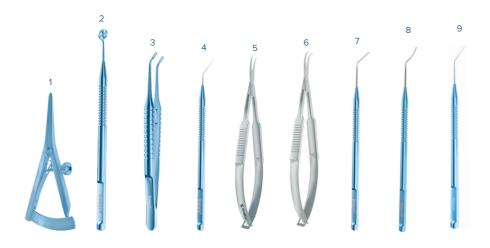


Aluminum Sterilization Tray

with finger tip mat 390×265×40 mm 15.5×10.5×1.5 in



DLEK SET



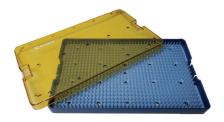
Reference	Key	Description
2-010T	1	Castroviejo Caliper
3-0217T	2	Hoffer Optical Zone Marker, 8.00 mm
4-0814T	3	Pollack Corneal Transplantation Fixation Forceps
5-0322	4	Reversed Sinskey Hook
11-036S	5	DLEK Scissors, Medium Curve
11-0361S	6	DLEK Scissors, Strong Curve
13-137	7	Corneal Dissector, Straight
13-138	8	Corneal Dissector, Curved
13-160	9	Manipulator for DLEK procedure

TO BUY



Plastic Sterilization Tray

with finger tip mat 254x152x19 mm 10×6×0.75 in

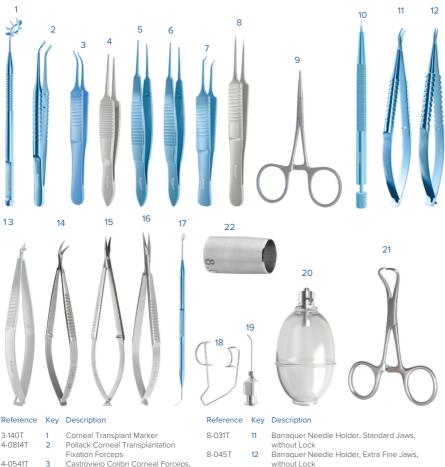


DSEK, DSAEK, DMEK SET



Reference	Key	Description
3-0231	1	Abdullayev Corneal Marker for Keratoplasty
3-0230*		Abdullayev Scleral Marker for Keratoplasty
4-034	2	Forceps for Corneal Endothelium Implantation, 23 Ga/
/12-003T		Universal Squeeze Handle
4-2019T	3	Corneal Donor Insertion Forceps
5-0322	4	Reversed Sinskey Hook
13-137	5	Corneal Dissector, Straight
13-138*		Corneal Dissector, Curved
4-240	6	Guell DMEK Forceps
13-139/1	7	Endothelial Stripper, Irrigating
13-150T	8	Spatula-Guide for Corneal Endothelium Implantation
13-151S	9	Cindy Sweeper DSEK Spatula
13-152S	10	Carlson DSEK Smoother
13-153S	11	Terry DSEK Scraper
4-247	12	Florakis Microinvasive Endothelial Forceps, 23 Ga / Universal Squeeze Handle
/12-003T		
4-246S*		Florakis Endothelial Forceps
13-182	13	John Dexatome DMEK/DSAEK Spatula
13-183*		John DSAEK Stromal Scrubber
13-184*		John DSAEK Glider
13-185	14	Tan Marginal DMEK Dissector
4-251	15	Cross-Action DMEK Forceps
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

CORNEAL TRANSPLANTATION SET



		Fixation Forceps
4-0541T	3	Castroviejo Colibri Corneal Forceps,
		0.12 mm, 1×2 Teeth
4-0607S	4	Bishop-Harmon Suturing Forceps,
		0.30 mm, 1×2 Teeth
4-0600T	5	Castroviejo Suturing Forceps,
		0.12 mm, 1×2 Teeth
4-0601T	6	Castroviejo Suturing Forceps,
		0.30 mm, 1×2 Teeth
4-090T	7	Kelman-McPherson Tying Forceps,
		4 mm Platforms
4-178S	8	McPherson Straight Tying Forceps,
		7 mm Platforms
4-120S	9	Hartman Mosquito Forceps
6-10/6-053	10	Diamond Knife, Trifacet Blade, 1.00 mm
6-20/6-107*		Diamond Knife, Self-Diving
		Trapezoid Blade, 2.00/2.30

8-031T	11	Barraquer Needle Holder, Standard Jaws, without Lock
8-045T	12	Barraquer Needle Holder, Extra Fine Jaws, without Lock
11-020S	13	Katzin Corneal Transplant Scissors, Left
11-0201S*		Katzin Corneal Transplant Scissors, Right
11-024S	14	Castroviejo Corneal Section Scissors, Right
11-0241S*		Castroviejo Corneal Section Scissors, Left
11-040S	15	Westcott Curved Tenotomy Scissors
11-044S	16	Westcott Stitch Scissors
13-110	17	Paton Double Ended Spatula And Spoon
14-022S	18	Barraquer Wire Speculum, Adult Size
15-051-25	19	Rycroft Anterior Chamber Cannula, 25 Ga
15-301/303	20	Silicone Bulb With Adapter
16-180S	21	Towel Forceps
16-0305*		Corneal Trephine Blades, 7.50 mm
16-0307	22	Corneal Trephine Blades, 8.00 mm
18-305*		Plastic Sterilizing Tray, Double Level, Large

* not shown

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