



# SINGLE-USE PRODUCTS

STERILE (2)



AFFORDABLE  
INNOVATIONS

**RUMEX** best-selling instruments are now available in a single-use edition.

Doctors around the world choose to perform the surgeries using RUMEX single-use instruments because they are:

**SAFE.** Single-use instruments eliminate the risk of cross-contamination;

**RELIABLE.** High-quality stainless steel and heat-resistant plastics are used in production;

**COST-EFFECTIVE.** No additional expenses on sterilizing equipment and repairs needed; considerably reduced price due to the composition of materials.

The range of RUMEX single-use instruments is designed to assist surgeons in various procedures on both anterior and posterior segments of the eye. The most commonly used items are available from stock.

**SAFE. RELIABLE. COST-EFFECTIVE.**



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## HYDROPHOBIC IOLs

### HYDROPHOBIC IOLs

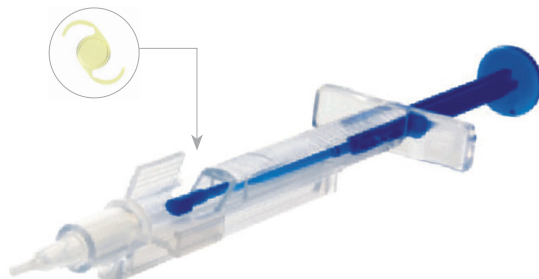
#### AquaFree Yellow Aspheric Hydrophobic\*

|                           |                                    |
|---------------------------|------------------------------------|
| Min. incision size        | 2.2 mm                             |
| Power range               | 0D .. +30D                         |
| Overall diameter          | 13.0 mm                            |
| Optic diameter            | 6.0 mm                             |
| Self-unfolding            | Yes                                |
| Water content             | <0.5%                              |
| Angulation                | 0°                                 |
| Material                  | Natural Yellow Hydrophobic Acrylic |
| Refractive index          | 1.5                                |
| A-constant                | 118.7                              |
| A-constant for ultrasound | 118.4                              |
| UV Filter                 | Yes                                |
| Shelf life                | 5 years                            |



#### AquaFree Yellow Preloaded\* ♥

AquaFree Yellow Aspheric Hydrophobic IOL is also available preloaded in the Accuject™ injection system. Push-type injector allows implantation within less than 5 seconds.



#### Advantages

- Increased contrast sensitivity
- Easy to inject, excellent folding and unfolding ability
- Not tacky – lens does not stick to itself or instruments
- No spherical aberrations



Minimized glare and unwanted images

## OVDs

## DISPERSIVE OVDs

**SUPREME\*****Ophthalmic Viscosurgical Device**

Supreme is a dispersive viscoelastic solution of low molecular weight, highly purified grade of hydroxypropyl methylcellulose (HPMC) 2%, clear, isotonic, sterile, non-inflammatory and non-pyrogenic in nature. It is used for intraocular injection during anterior segment surgery.

**Physico-chemical properties**

|                  |                   |
|------------------|-------------------|
| Type             | Dispersive        |
| Material         | 2% HPMC           |
| Molecular weight | 86 000 Da         |
| Viscosity        | 3000-4500 cSt     |
| pH               | 6.0-7.8           |
| Osmolality       | 250-350 mOsmol/kg |
| Volume           | 2 ml              |
| Shelf Life       | 3 years           |

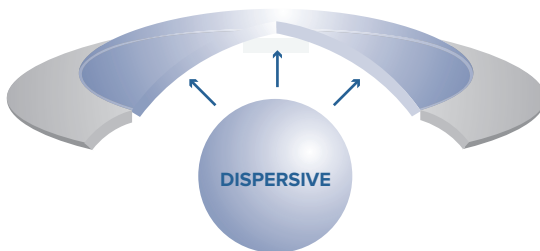
**Advantages**

- highly dispersive
- the best endothelial protection
- easy removal
- completely transparent
- no refrigeration necessary
- easy transportation and storage (2-35 °C)

**Dispersive Solution**

**Supreme** is used to:

- coat ocular structures during cataract surgery: in the initial part, during capsulorhexis and phacoemulsification, and during ultrasound
- protect corneal endothelium in an eye where endothelium pathology is suspected



# SINGLE-USE PRODUCTS

## OVDs

### COHESIVE OVDs

#### SMARTVISC / SMARTVISC PLUS\* Ophthalmic Viscosurgical Device

SmartVisc and SmartVisc Plus are cohesive viscoelastic solutions of high molecular weight used for intraocular injection during anterior segment surgery of the eye.

#### Physico-chemical properties

|                  | SmartVisc                | SmartVisc PLUS           |
|------------------|--------------------------|--------------------------|
| Composition      | Sodium Hyaluronate 1.6 % | Sodium Hyaluronate 3.0 % |
| Molecular Weight | 1.2–2.0 m Da             | 1.0–1.8 m Da             |
| Viscosity        | approx. 80 000 mPas      | approx. 400 000 mPas     |
| Osmolality       | 270–400 mOsmol/kg        |                          |
| Storage          | 2–25°C                   |                          |
| pH               | 6.8–7.4                  |                          |
| Volume           | 1.00 ml                  |                          |
| Shelf Life       | 3 ½ years                |                          |

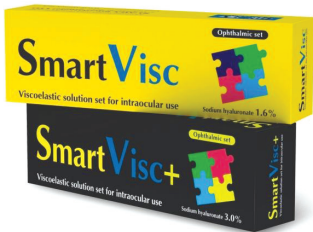
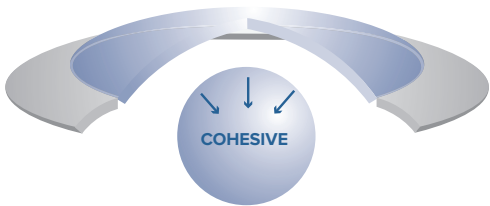
#### Advantages

- no refrigeration necessary
- good maintenance of anterior chamber depth and the capsular bag
- controlled capsulorhexis
- easy implantation
- better adhesiveness on the corneal endothelium during phacoemulsification
- favorable environment to ophthalmic surgery
- excellent protection against mechanical damages
- steam sterilized

#### Cohesive Solution

**SmartVisc** is used to:

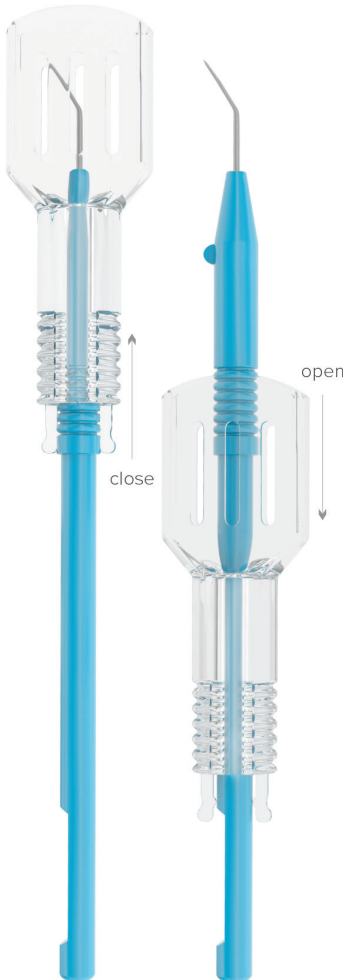
- maintain space and pressure in the eye
- keep the empty capsular bag open for IOL insertion
- support the anterior chamber and flatten the anterior capsule
- dilate small pupils
- dissect areas of adhesion



## DISPOSABLE KNIVES

### HIGH PRECISION DISPOSABLE KNIVES WITH SAFETY SYSTEM

All knives are equipped with safety function lids



#### Side-Port Knives

initial stab incisions

**double bevel, straight**

|       |              |   |
|-------|--------------|---|
| SP-15 | 1.00 mm, 15° | ♥ |
| SP-30 | 1.00 mm, 30° |   |
| SP-45 | 1.00 mm, 45° |   |

Exquisite sharpness for effortless penetration and withdrawal.



#### Paracentesis Knives

paracentesis/side port incisions

**double bevel, angled**

|       |         |
|-------|---------|
| PK-11 | 1.10 mm |
|-------|---------|

Angled option of paracentesis knife helps to avoid blocking the spot of intended incision.



#### Trapezoidal Knives

tunnel incisions

**single bevel, angled**

|       |              |
|-------|--------------|
| TR-10 | 1.20-1.40 mm |
| TR-17 | 1.50-1.70 mm |

Absolutely smooth surface and anti-glare coating ensures the maximal Intraoperative comfort.



#### Slit Knives

scleral tunnel incisions

**single bevel, angled**

|       |         |
|-------|---------|
| SL-22 | 2.20 mm |
| SL-24 | 2.40 mm |
| SL-26 | 2.65 mm |
| SL-27 | 2.75 mm |
| SL-28 | 2.80 mm |
| SL-32 | 3.20 mm |

Optimal design of cutting edges allows for performance of watertight corneal incisions.

# SINGLE-USE PRODUCTS

## DISPOSABLE KNIVES



CATARACT

### Clear Corneal Knives

clear cornea incisions  
**double bevel, angled**  
CC-22 2.20 mm  
CC-24 2.40 mm  
CC-26 2.65 mm  
CC-27 2.75 mm  
CC-30 3.00 mm

Ultra-thin profile reduces penetration force and contributes to re-epithelization.

CATARACT

### Clear Corneal Knives with Depth Indicators

tunnel incisions  
**double bevel, angled**  
CCD-22 2.20 mm  
CCD-24 2.40 mm  
CCD-26 2.65 mm  
CCD-27 2.75 mm

1.50 and 1.75 mm depth indicators of CCD-22 and 1.50, 1.75, 2.00 mm of CCD-24, CCD-26, CCD-27 ensure controlled diving.

GLAUCOMA

### Crescent Knives

lamellar dissections/flap formation  
**single bevel, angled**  
CR-20 2.00 mm

Facet-free blade for smooth flap formation.

VITREORETINAL

### MVR Knives

posterior segment penetration/  
side port incisions  
**multifacet**  
VRS-19 19 Ga, **straight**  
VRS-20 20 Ga, **straight**  
VRS-23 23 Ga, **straight**  
VRS-25 25 Ga, **straight**  
VRA-19 19 Ga, **angled**  
VRA-20 20 Ga, **angled**  
VRA-23 23 Ga, **angled**  
VRA-25 25 Ga, **angled**

Promotes safe and easy sclerotomy for vitreoretinal procedures.

LRI

### Pre-Set Knives

groove making/limbal relaxing incisions  
**multifacet**  
PD-60 600 µm depth

Pre-set style blade allows for fixed cutting depth of 600 microns and clear view of patient's cornea.

## DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT

### IOL CARTRIDGES

#### Disposable Cartridge for IOL Injector\*

Used with RUMEX reusable IOL Injector 16-2853

- CAT-22** for 2.2 mm incision
- CAT-24** for 2.4 mm incision
- CAT-26** for 2.6 mm incision

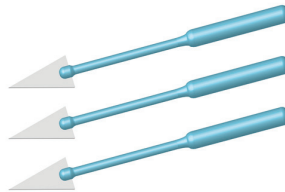


### EYE SPEARS

#### PVA Spears\*\*

Compressed lint-free PVA spears ideal for controlling and absorbing fluid in and around the orbital area during cataract and refractive procedures

**R2-40405**



### IRIS RETRACTORS

Safe and comfortable dilation and fixation of a rigid pupil.

#### Disposable Iris Retractors\*\*

Strong yet flexible polypropylene hook for mechanical iris dilation  
Vertical orientation for easy handling

**10-5016-1**



**10-5067-1**



### BIMANUAL I/A HANDPIECES

#### Disposable Set of I/A Handpieces for Bimanual Technique\*\*

**NEW**

Lightweight, color-coded handpieces.  
Delicate tips allow easy access to all parts of the capsule and may be introduced through any side-port incision.

Aspiration – single port 0.35 mm  
Irrigation – double port 0.40 mm

- 7-0821D** 21 Ga 5 sets per box
- 7-0823D** 23 Ga 5 sets per box



**Aspiration**

**Irrigation**

\*Not for sale in the US and Europe

\*\*Not for sale in Europe

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

# SINGLE-USE PRODUCTS

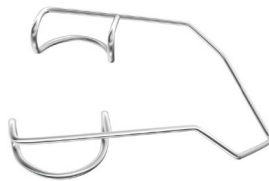
## DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT

### SPECULUMS

#### Disposable Barraquer Wire Speculum Adult Size

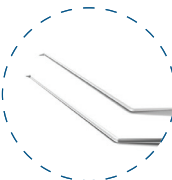
16 mm blades  
Overall length 44 mm

14-022D



### FORCEPS

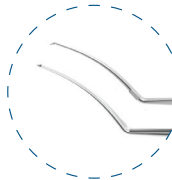
Perfectly aligned tips make every surgical manipulation safe and easy.



#### Utrata Capsulorhexis Forceps

Cystotome tips  
Straight

4-0311D



#### Utrata Capsulorhexis Forceps

Cystotome tips  
Curved

4-0331D



#### Bonn-Catalano Corneal Forceps

0.12 mm, 1x2 Teeth  
Straight

4-0551D



#### Castroviejo Suturing Forceps

0.12 mm, 1x2 teeth  
Straight

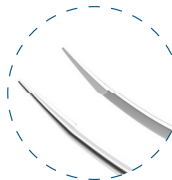
4-0600D



#### McPherson Tying Forceps

Angled

4-174D



#### McPherson Tying Forceps

Curved

4-177D

## DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT

## SCISSORS

Unique blade sharpening technology allows controlled cutting of various tissues with minimal pressure applied.



**Castroviejo  
Universal  
Corneal  
Scissors**

Blunt tips

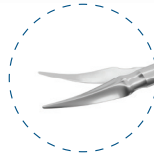
11-012D



**Westcott  
Tenotomy  
Scissors**

Blunt tips

11-040D



**Vannas  
Capsulotomy  
Scissors**

Sharp tips

11-052D

## MANIPULATORS

Premium quality stainless steel ensures stiffness and flexibility of the working part.



**Nagahara Phaco Chopper**

RHD

7-063D



**Kuglen Iris Hook**

Angled

5-030D



**Rosen Phaco Chopper**

Universal

7-065D



**Sinskey Hook**

Angled

5-032D



**Drysdale Nucleus  
Manipulator**

Universal

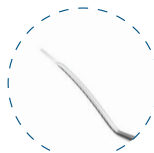
7-093D



**Lester Lens Manipulator**

Angled

5-0331D



**Spatula for Femtosecond  
Laser Procedure**

20-204D

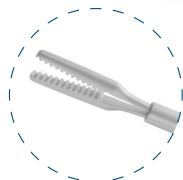


# SINGLE-USE PRODUCTS

## DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT

### MICROINCISIONAL IOL REMOVING FORCEPS AND SCISSORS

#### Disposable Foldable Lens Removing Crocodile Type Forceps, 20 Ga, Stainless Steel

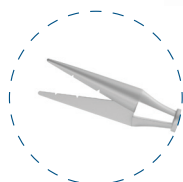


4-2150D



- designed for explantation of acrylic and silicone foldable intraocular lenses
- one-piece integral instrument provides a precise action
- crocodile type serrated jaws enable secure gripping of the IOL

#### Disposable Micro Foldable Lens Cutter, Straight Scissors, Blades with Notches, 19 Ga, Stainless Steel



4-2173D



- designed for explantation of acrylic and silicone foldable intraocular lenses
- one-piece integral instrument provides a precise action
- blades with delicate notches create traction and prevent IOL slipping while cutting

## DISPOSABLE CANNULAS ANTERIOR SEGMENT\*

### ANTERIOR CHAMBER CANNULAS, RYCROFT

Used for maintaining and forming the anterior chamber by injecting or removing air, fluids, viscoelastics and intraocular medications.



**21-R2023** 23 Ga x 22 mm  
**21-R2030** 30 Ga x 22 mm

**21-R2027-8** 27 Ga x 22 mm



Smooth blunt tip

### VISCOELASTIC CANNULAS

Used for injecting viscoelastic to all meridians of the anterior chamber and to coat the intraocular lens.



**21-R2225** 25 Ga x 22 mm ♥  
**21-R2227** 27 Ga x 22 mm

**21-R2327** 27 Ga x 22 mm ♥



Smooth blunt tip

### IRRIGATING CYSTOTOMES, PEARCE

Used to perform capsulorhexis. The tip is designed to open the anterior capsule.



**21-R3027** 27 Ga x 16 mm



Cystotome tip

### IRRIGATION/ASPIRATION CANNULAS

Used to remove cortical debris or viscoelastic solution while maintaining the anterior chamber during cataract surgery

Simcoe I&A Cannula  
 Regular  
 0.3 mm port

**21-R5623** 23 Ga x 16 mm



# SINGLE-USE PRODUCTS

## DISPOSABLE CANNULAS ANTERIOR SEGMENT\*

### HYDRODISSECTION CANNULAS

Used for easy placement under the anterior capsule to deliver fluids to facilitate the separation of the cortex from the nucleus and capsule.

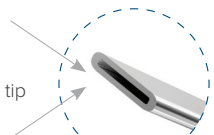


#### Hydrodissector, Pearce

**21-R4025** 25 Ga x 22mm



Spatulated tip



#### Hydrodissector, Pearce

**21-R4027** 27 Ga x 22mm



10 mm

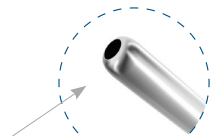
#### Hydrodissector

**21-R4427** 27 Ga x 22 mm



10 mm

Smooth blunt tip



### CANNULAS FOR ANESTHESIA

Used for anesthetic agents administration during ophthalmic surgeries.



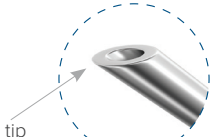
#### Retrobulbar Needle, Atkinson

For injecting anesthetic agents into the muscle cone.

**21-R1125** 25 Ga x 38 mm



Sharp beveled tip



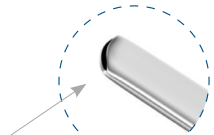
#### Sub-Tenon's Cannula

For administering anesthetic agents into the posterior Sub-Tenon's space.

**21-R1320** 20 Ga x 25 mm



Gently Curved  
Flattened tip



## DISPOSABLE CANNULAS ANTERIOR SEGMENT\*

### LACRIMAL INTUBATION AND DACRYOCYSTORHINOSTOMY (DCR)

Designed for surgical treatment, repair and irrigation of the nasolacrimal system.



#### POPULAR

#### Lacrimal Intubation Set

**21-R7004** 27 Ga x 110 mm



**21-R7004RD** 27 Ga x 110 mm,  
With Retrieval Device



Olive Tip

#### Lacrimal Intubation Set

**21-R7001** 23 Ga x 175 mm



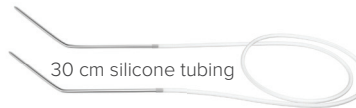
#### DCR Set

**21-R7011** 20 Ga x 45 mm,

Straight

**21-R7012** 20 Ga x 45 mm,

Angled (shown)



**Lacrimal Intubation Tubing**  
**21-R7002**

30 cm silicone tubing



### LACRIMAL CANNULA

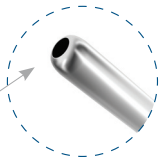
Used for probing and irrigating the lacrimal duct.



**21-R7026** 26 Ga x 28 mm



Smooth blunt tip



### LASIK CANNULA, LINDSTROM

Used after ablation to wash away particulates from anterior and posterior sides of the flap and stromal bed.



3 ports

**21-R7430** 25 Ga x 25 mm



3 ports

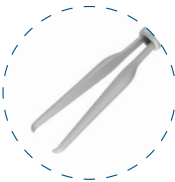


# SINGLE-USE PRODUCTS

## DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT

### STAINLESS STEEL FORCEPS AND SCISSORS

All stainless steel instruments are manufactured as an integral tool with an intact inner spring mechanism that provides for precise performance and instant tactile control.



**ILM**

**Eckardt End-Gripping Forceps**

**12-410-23D** 23 Ga ♥  
**12-410-25D** 25 Ga ♥



**ILM**

**End-Grasping Forceps**

**12-420-23D** 23 Ga  
**12-420-25D** 25 Ga



**ERM**

**Gripping Forceps**

With a “crocodile” platform

**12-304-23D** 23 Ga ♥  
**12-304-25D** 25 Ga ♥



**ERM**

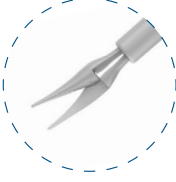
**Gripping Forceps**

**12-301-23D** 23 Ga  
**12-301-25D** 25 Ga



**Pick Forceps**

**12-325-23D** 23 Ga  
**12-325-25D** 25 Ga



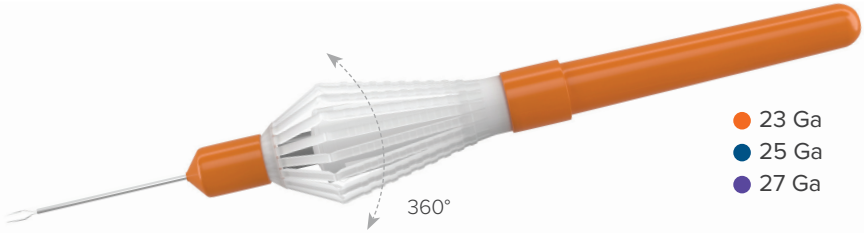
**Curved Scissors**

**12-209-23D** 23 Ga ♥  
**12-209-25D** 25 Ga ♥

## DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT

## SCISSORS AND FORCEPS WITH PLASTIC HANDLE\*

360° handle design incorporates a unique rotatability, convenience, and actuation.



The instrument's weight is less than 8 grams.

Lightweight plastic ergonomic handle especially valuable during hours-long surgeries.

**ILM****Eckardt End-Gripping Forceps**

**12-410-23DP** 23 Ga  
**12-410-25DP** 25 Ga  
**12-410-27DP** 27 Ga

**ERM****Gripping Forceps**

With a "crocodile" platform

**12-304-23DP** 23 Ga  
**12-304-25DP** 25 Ga  
**12-304-27DP** 27 Ga

**Curved Scissors**

**12-209-23DP** 23 Ga  
**12-209-25DP** 25 Ga  
**12-209-27DP** 27 Ga

**Straight Scissors**

**12-211-23DP** 23 Ga  
**12-211-25DP** 25 Ga  
**12-211-27DP** 27 Ga

**Vertical Scissors**

**12-202-23DP** 23 Ga  
**12-202-25DP** 25 Ga

# SINGLE-USE PRODUCTS

## DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT

### DIAMOND DUSTED RETRACTABLE ILM ELEVATORS\*

Used to elevate membrane edge during vitreoretinal surgery.



**12-7523**  
**12-7525**

23 Ga  
25 Ga

**Diamond dusted** soft silicone tip is safe for retinal surface and provides an extreme grip.

**Retractable** version enables easy insertion through the trocar valves.

### BACKFLUSH INSTRUMENTS\*

One-piece instrument combines a handle and a soft, brush or blunt tip cannula. The set comes with two connectors for active and passive aspiration. Used for intraocular fluids and debris aspiration during vitreoretinal surgery.



- 23 Ga
- 25 Ga
- 27 Ga



Two connectors for either active or passive aspiration

with Silicone Brush Tip

**12-5162H**  
**12-5160H**  
**12-5167H**

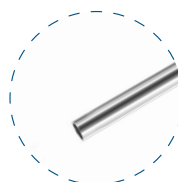
23 Ga x 34 mm  
25 Ga x 34 mm  
27 Ga x 34 mm



with Blunt Tip

**12-5164H**  
**12-5156H**  
**12-5492H**

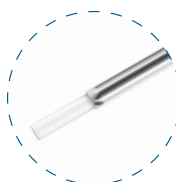
23 Ga x 34 mm  
25 Ga x 34 mm  
27 Ga x 34 mm



with Silicone Soft Tip

**12-5161H**  
**12-5152H**  
**12-5491H**

23 Ga x 34 mm  
25 Ga x 34 mm  
27 Ga x 34 mm



## DISPOSABLE TROCAR SYSTEMS

## One Step Trocar System\*



Disposable Trocar Systems with closure valves

Package includes:

- Trocar knife with preloaded trocar cannula – 3 pcs
- Self-sealing trocar cannula (preloaded) – 3 pcs
- Universal infusion line – 1 pc

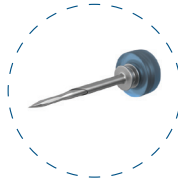
12-5229 ● ●

12-5244 ●

12-5227 ●

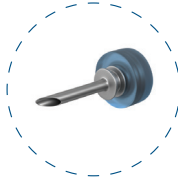


## Sharp MVR Blade



Sharp MVR blade helps to create a smooth incision and provides for low-pressure insertion and superior sealing.

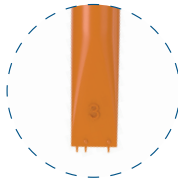
## Trocar Cannulas



The innovative beveled design of the cannula ensures unstopable smooth trocar insertion.

Removable self-sealing silicone valves ensure maintenance of the desired intraocular pressure throughout the case and eliminate the need for plugs and instrument exchanges during plug placement and removal.

## Trocar Cannula Inserter



The tip of the plastic handle serves as a caliper/scleral marker. (2 dimensions: 3.00 and 4.00 mm)

## Universal Infusion Line for BSS

\*Not for sale in Europe

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

# SINGLE-USE PRODUCTS

## DISPOSABLE VITREORETINAL CANNULAS\*

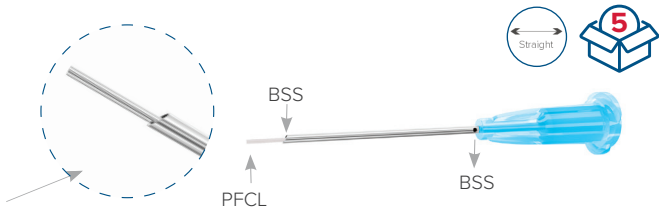
### DUAL BORE CANNULA

Simultaneous infusion of PFC and passive egress of BSS

**12-5203** 23 Ga x 33 mm

**12-5205** 25 Ga x 33 mm

Dual Bore tip



### CANNULAS FOR BACKFLUSH INSTRUMENTS

Used for retrograde flushing of incarcerated tissue during aspiration of intraocular fluids in vitreoretinal ophthalmic surgeries.

#### Soft Tip Cannulas

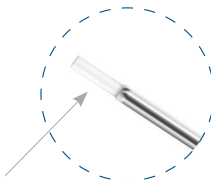
Allows for atraumatic aspiration of subretinal fluid

**12-5161** 23 Ga x 34 mm

**12-5152** 25 Ga x 34 mm

**12-5491** 27 Ga x 34 mm

Soft tip



#### Brush Tip Cannulas

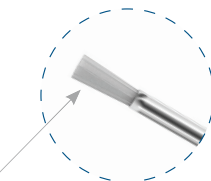
Ideal for atraumatic brushing of retina

**12-5162** 23 Ga x 34 mm

**12-5160** 25 Ga x 34 mm

**12-5167** 27 Ga x 34 mm

Brush tip



#### POPULAR

##### Charles Flute Cannula

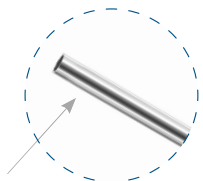
Designed for debris and blood aspiration from the posterior segment

**12-5164** 23 Ga x 34 mm

**12-5156** 25 Ga x 34 mm

**12-5192** 27 Ga x 34 mm

Smooth blunt tip

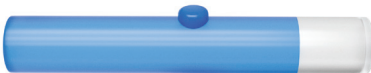


### DISPOSABLE REPLACEMENT RESERVOIRS FOR BACKFLUSH HANDLE

#### Replacement Reservoir for Backflush Handle

**12-5159** Active Aspiration

**12-5147** Passive Aspiration



## SILICONE OIL

### SILICONE OIL

#### SMARTSIL 1000/5000\* Purified Silicone Oil for Vitreoretinal Surgery

SmartSil 1000/5000 is used for prolonged tamponade after surgical treatment for severe retinal detachment.

- Maximum interfacial tension and minimum interactions between tissues, cells, and endo-tamponades media
- Optimal combination of specific gravity, refractive index and surface tension
- The choice of viscosity for a balance between easy injection and a stable temporary tamponade



To be used with RUMEX Silicone Oil Infusion Systems 12-RTUB-1 (2,3 or 4)

#### Physico-chemical properties

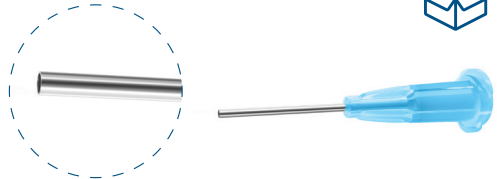
|                     |                                    |
|---------------------|------------------------------------|
| Interfacial tension | $\geq 40 \text{ mNm}^{-1}$ at 37°C |
| Density             | 0.97                               |
| Viscosity           | 1000/5000 cSt                      |
| Refractive index    | 1.40                               |
| Volume              | <1%                                |
| Polydispersity      | <2.8                               |
| Volume of oil       | 10 ml                              |
| Syringe             | 20 ml                              |
| Shelf Life          | 3 years                            |

## SILICONE OIL CANNULAS

#### Viscous Fluid Injection Cannula\*\*

Allows injection of viscous fluids such as silicone oil through 23 Ga or 25 Ga trocar cannula

- 12-5248** 23 Ga x 4 mm  
**12-5258** 25 Ga x 4 mm



\*Not for sale in the US and Europe

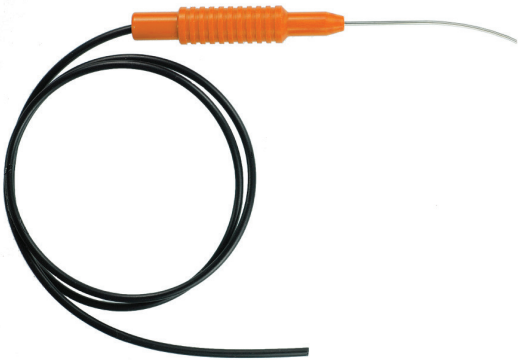
\*\*Not for sale in Europe

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

COMING SOON\*

DISPOSABLE LASER PROBES

Designed to perform endo-ocular laser photocoagulation treatment



Color code

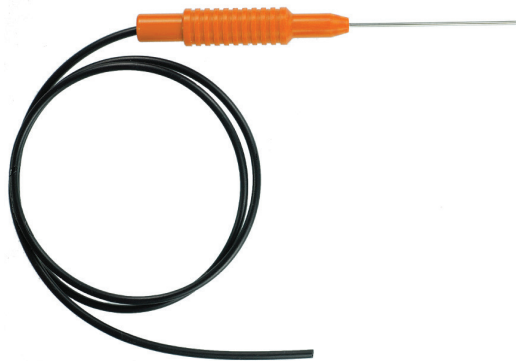
- 23 Ga
- 25 Ga
- 27 Ga

| Surgical system/type of the probe                          | Straight |       | Curved   |       | Extensible |       |
|------------------------------------------------------------|----------|-------|----------|-------|------------|-------|
| SMA 905 Connector:<br>Alcon®, Zeiss®,<br>COHERENT®, Ellex® | RLS-23AZ | 23 Ga | RLC-23AZ | 23 Ga | RLEX-23AZ  | 23 Ga |
|                                                            | RLS-25AZ | 25 Ga | RLC-25AZ | 25 Ga | RLEX-25AZ  | 25 Ga |
|                                                            | RLS-27AZ | 27 Ga | RLC-27AZ | 27 Ga |            |       |
| DORC®                                                      | RLS-23D  | 23 Ga | RLC-23D  | 23 Ga | RLEX-23D   | 23 Ga |
|                                                            | RLS-25D  | 25 Ga | RLC-25D  | 25 Ga | RLEX-25D   | 25 Ga |
|                                                            | RLS-27D  | 27 Ga | RLC-27D  | 27 Ga |            |       |

COMING SOON\*

## DISPOSABLE FIBER OPTIC PROBES

Used to illuminate the interior of the eye



## Color code

- 23 Ga
- 25 Ga
- 27 Ga

| Surgical system/type of illumination | Standard                                                                          |       | Wide-angle                                                                        |       | Shielded                                                                          |       |
|--------------------------------------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|-------|
|                                      |  |       |  |       |  |       |
| Alcon®                               | 12-5177                                                                           | 23 Ga | 12-5178                                                                           | 23 Ga | 12-5625                                                                           | 23 Ga |
|                                      | 12-5135                                                                           | 25 Ga | 12-3625                                                                           | 25 Ga | 12-5627                                                                           | 25 Ga |
|                                      | 12-5927                                                                           | 27 Ga |                                                                                   |       |                                                                                   |       |
| B&L®                                 | 12-5179                                                                           | 23 Ga | 12-5180                                                                           | 23 Ga | 12-5725                                                                           | 23 Ga |
|                                      | 12-5125                                                                           | 25 Ga | 12-5427                                                                           | 25 Ga | 12-5727                                                                           | 25 Ga |
|                                      | 12-5127                                                                           | 27 Ga |                                                                                   |       |                                                                                   |       |
| Oertli®                              | 12-4123                                                                           | 23 Ga | 12-5463                                                                           | 23 Ga | 12-5853                                                                           | 23 Ga |
|                                      | 12-4125                                                                           | 25 Ga | 12-5465                                                                           | 25 Ga | 12-5855                                                                           | 25 Ga |
|                                      | 12-4127                                                                           | 27 Ga |                                                                                   |       |                                                                                   |       |

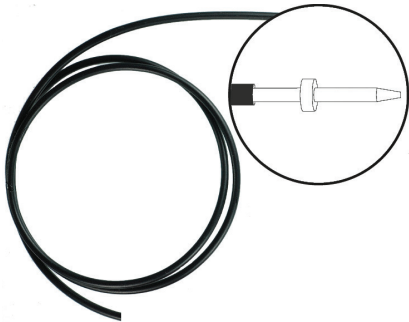
\*Products in the process of development and certification

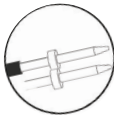
Product design and/or features that do not influence its functionality and main parameters are subject to change.

COMING SOON\*

DISPOSABLE CHANDELIER FIBER OPTIC PROBES

- Enable bimanual vitreoretinal surgery
- Allow for diffuse illumination to enhance visualization
- Facilitate the recording of surgical videos by providing consistent lighting

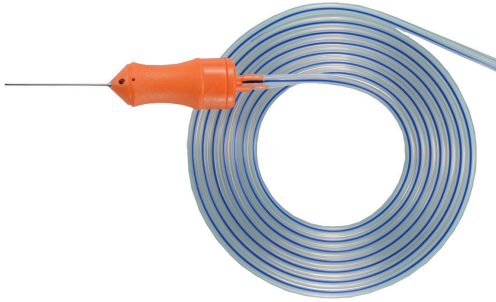


| Surgical system/type of the probe | Standard                                                                          |       | Dual Fiber                                                                        |       | with preloaded Trocar and Inserter                                                 |       |
|-----------------------------------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------|-------|
|                                   |  |       |  |       |  |       |
| Alcon®                            | 12-4563                                                                           | 23 Ga |                                                                                   |       | 12-5223                                                                            | 23 Ga |
|                                   |                                                                                   |       | 12-4526                                                                           | 25 Ga | 12-5225                                                                            | 25 Ga |
|                                   |                                                                                   |       |                                                                                   |       | 12-6327                                                                            | 27 Ga |
| B&L®                              | 12-4573                                                                           | 23 Ga |                                                                                   |       |                                                                                    |       |
|                                   |                                                                                   |       | 12-4545                                                                           | 25 Ga |                                                                                    |       |
| Oertli®                           | 12-4593                                                                           | 23 Ga |                                                                                   |       | 12-5543                                                                            | 23 Ga |
|                                   |                                                                                   |       | 12-4543                                                                           | 25 Ga | 12-5545                                                                            | 25 Ga |
| Synergetics®                      | 12-4553                                                                           | 23 Ga |                                                                                   |       |                                                                                    |       |
|                                   |                                                                                   |       | 12-4525                                                                           | 25 Ga |                                                                                    |       |

COMING SOON\*

## DISPOSABLE VITRECTOMY CUTTERS

Help to efficiently cut and aspirate vitreous



## Color code

- 23 Ga
- 25 Ga
- 27 Ga

| Surgical system/<br>type of the cutter                     | Single Cut |       | Speed/Pressure                         | Double Cut |       | Speed/Pressure                       |
|------------------------------------------------------------|------------|-------|----------------------------------------|------------|-------|--------------------------------------|
| Alcon®:<br>Accurus®DORC®:<br>Associate®                    | RV-23AC    | 23 Ga | Speed: 2000 CPM<br>Pressure: 42 PSI    |            |       |                                      |
|                                                            | RV-25AC    | 25 Ga |                                        |            |       |                                      |
| B&L®: Stellaris®                                           | RV-23BF    | 23 Ga | Speed: 5000 CPM<br>Pressure: 42 PSI    | RV-23BFd   | 23 Ga | Speed: 10000 CPM<br>Pressure: 42 PSI |
|                                                            | RV-25BF    | 25 Ga |                                        | RV-25BFd   | 25 Ga |                                      |
|                                                            | RV-27BF    | 27 Ga |                                        |            |       |                                      |
| Oertli®: OS4®                                              | RV-23OS    | 23 Ga | Speed: 5000 CPM<br>Pressure: 35-37 PSI |            |       |                                      |
|                                                            | RV-25OS    | 25 Ga |                                        |            |       |                                      |
|                                                            | RV-27OS    | 27 Ga |                                        |            |       |                                      |
| BVI® (OPTIKON):<br>R-Evo Smart® CR                         | RV-23OB    | 23 Ga | Speed: 5000 CPM<br>Pressure: 30 PSI    | RV-23OBd   | 23 Ga | Speed: 10000 CPM<br>Pressure: 30 PSI |
|                                                            | RV-25OB    | 25 Ga |                                        |            |       |                                      |
|                                                            | RV-27OB    | 27 Ga |                                        |            |       |                                      |
| BVI® (OPTIKON):<br>R-Evolution®<br>CRZEISS®: VISA-<br>LIS® | RV-23OZ    | 23 Ga | Speed: 6000 CPM<br>Pressure: 43 PSI    | RV-23OZd   | 23 Ga | Speed: 12000 CPM<br>Pressure: 43 PSI |
|                                                            | RV-25OZ    | 25 Ga |                                        |            |       |                                      |
|                                                            | RV-27OZ    | 27 Ga |                                        |            |       |                                      |
| DORC®: EVA®                                                | RV-23GC    | 23 Ga | Speed: 8000 CPM<br>Pressure: 42 PSI    |            |       |                                      |
|                                                            | RV-25GC    | 25 Ga |                                        |            |       |                                      |
|                                                            | RV-27GC    | 27 Ga |                                        |            |       |                                      |

\*Products in the process of development and certification

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

# SINGLE-USE PRODUCTS

**COMING SOON\***

## HYDROPHILIC IOLs

### Hydro-SOFT Clear & Hydro-SOFT Yellow

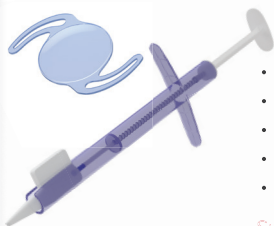
Clear and Natural Yellow aspheric monofocal single-piece hydrophilic acrylic foldable IOLs



- No spherical aberrations – minimized glare and unwanted images
- Angulation 5° – reduced risk of secondary cataract development
- Double square edge – no posterior capsule opacification caused by cellular migration
- Manufactured by the lathe-cut (LC) method – no glistenings

### Hydro-Flex PLUS

Negative aspheric monofocal single-piece hydrophilic acrylic foldable IOL in a set with an injector



- Provides enhanced contrast sensitivity
- Better performance of visual acuity
- 360° Posterior square edge – reduced risk of PCO\*\*
- Anterior round edged polishing helps to avoid glares
- Dual haptic design ensures better stability and centration

Supplied in a set with a single-use IOL delivery system SmartJect

### Hydro-SOFT Toric Preloaded

Aspheric toric monofocal clear hydrophilic acrylic foldable single-piece IOLs



- Designed to correct corneal astigmatism in a patient undergoing cataract surgery
- Angulation 5° – reduced risk of secondary cataract development
- Double square edge – no posterior capsule opacification caused by cellular migration
- Manufactured by the lathe-cut (LC) method – no glistenings
- UV filter

Supplied preloaded in a cartridge in a container with liquid

\*Products in the process of development and certification

\*\*Posterior Capsule Opacification

**COMING SOON\***

## HYDROPHILIC IOLs

### Hydro-SOFT Trifocal Preloaded

Aspheric trifocal clear hydrophilic acrylic foldable single-piece IOLs



- Optimized intermediate focus optical system provides clear, contrast vision at far, near, and also at an intermediate distance
- Diffractive trifocal optics with aspheric profile - 14 diffraction rings
- Angulation 5° – reduced risk of secondary cataract development
- Double square edge – no posterior capsule opacification caused by cellular migration
- Manufactured by the lathe-cut (LC) method – no glistenings
- UV-filter

## HYDROPHOBIC IOLs

### Eco-Flex Preloaded

Yellow aspheric monofocal single-piece hydrophobic acrylic foldable preloaded IOL



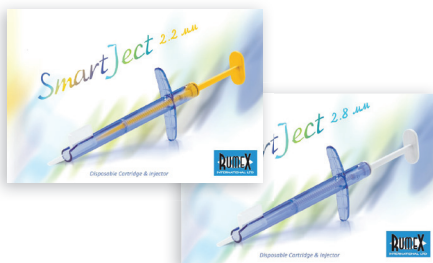
- Filters out UV and harmful blue light – better protection of macula
- 360° Square Edge – mechanical barrier for cell migration, no risk of PCO\*\*
- Low glass transition temperature (8°C) keeps the lens flexible at lower temperatures
- Low refractive index of 1.47 and high Abbe number of 55 ensure better optical clarity and visual performance
- Better adhesiveness to the capsule

Supplied preloaded in a single-use IOL delivery system SmartJect

## DISPOSABLE IOL INJECTION SET

### SmartJect 2.2 & SmartJect 2.8

A set of disposable IOL injector and cartridge. Available in two sizes – for 2.2 mm and 2.8 mm incision



- For hydrophilic and hydrophobic 1-piece lenses
- Complete control of every step of lens injection
- Soft-tip technology

# SINGLE-USE PRODUCTS

**COMING SOON\***

## PFO LIQUID

### VitreoOcta

Perfluorooctane liquid for vitreoretinal surgery (PFO)

**STERILE**



An ideal intraoperative tool to improve the efficiency and safety of vitreoretinal surgical procedures.

#### Indicated to treat:

- Retinal detachments
- Giant tears
- Ocular trauma
- Removal of dislocated lenses and foreign bodies from vitreous

#### Product features:

- High vapor pressure and specific gravity
- Low surface tension
- Low viscosity
- Non toxic, absolutely safe

## EYE DYES

### VitreoBlue

Trypan blue 0.15% solution for ILM and ERM staining during vitreoretinal surgery

**STERILE**



- Facilitates tissue removal and reduces the risk of retinal damage
- Distinguishes between new and old PVR membranes
- Helps to identify and facilitate removal of posterior hyaloids remnants in tractional diabetic retinopathy

### VitreoBluePlus

Brilliant Blue Solution 0.05 % for ILM staining during vitreoretinal surgery

**STERILE**



- Selectively stains and visualizes Internal Limiting Membrane
- Facilitates complete peeling during retinal surgery to repair macula holes
- Reduces the risk of retinal damage

### SmartBlue

Trypan Blue Solution 0.06% for staining of anterior capsule during cataract surgery

**STERILE**



- Facilitates capsulorhexis
- Excellent visualization of the capsule in the eyes with matured cataract/narrow pupils
- Clear visualization of outline of the capsule rim during surgery
- Reduces the risk of incomplete capsulorhexis