

SINGLE-USE PRODUCTS



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

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

SAFE. Instruments are supplied sterile in a protective case and ready for use;

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

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

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

SAFE. DURABLE. COST-EFFECTIVE.







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DISPOSABLE PHACO PACK

Specially designed to perform a phacoemulsification procedure, DISPOSABLE PHACO PACK is a safe, convenient and cost-effective solution. Complete your set with any 6 or more different items from the list of the most popular RUMEX products for cataract surgery and get special discount!



DISPOSABLE PHACO PACK

Choose your PHACO PACK content from the list of items below:



IOLs*

Hydro-Sense Aspheric Hydrophilic IOL for 2.20 mm incision Hydro-Sense Aspheric Yellow Hydrophilic IOL for 2.20 mm incision AquaFree Yellow Aspheric Hydrophobic IOL for 2.20 mm incision

IOL Injector*

Viscoject [™] Eco Injector Set **VE2200** for 2.20 mm incision

OVDs*

Supreme. Dispersive Viscoelastic Solution set for intraocular use, HPMC 2%
SmartVisc. Cohesive Viscoelastic Solution set for intraocular use, Sodium Hyaluronate 1.6%
SmartVisc PLUS. Cohesive Viscoelastic Solution set for intraocular use, Sodium Hyaluronate 3%

Disposable Knives

SL-22 Slit Knife for 1.80 mm incision
CC-22 Clear Corneal Knife for 2.20 mm incision
SP-15 Side Port Knife for 1.00 mm incision

Disposable Forceps

4-0331D Utrata Capsulorhexis Forceps

Disposable Manipulators

7-063D Nagahara Phaco Chopper, RHD **5-032D** Sinskey Hook

Disposable Speculum

14-022D Barraquer Speculum With Solid Blades



*Not available in the US

HYDROPHOBIC IOLs

AquaFree Yellow Aspheric Hydrophobic*





Min. incision size	2.20 mm
Power range	0 +30 D
Overall diameter	13 mm
Optic diameter	6.0 mm
Self-unfolding	Yes
Water content	< 0.50%
Angulation	0°
Material	Natural Yellow Hydrophobic Acrylic
Refractive index	1.50
A-constant	118.7
UV Filter	Yes
Shelf Life	5 years



Aqua-Free Yellow Aspheric Preloaded*

Aqua Free Yellow Aspheric Hydrophobic IOL is available in preloaded Accuject™ injection system with the syringe injector type which allows to perform implantation for 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



HYDROPHILIC IOLs

MOST POPULAR	Hydro-Sense Aspheric*	Hydro-4 Aspheric*	Hydro-Sense Aspheric Yellow*	
Min. incision size	2.20 mm	1.80 mm	2.20 mm	
Power range	-5 +38 D	-5 +38 D	-5 +38 D	
Overall diameter	12.5 mm	11 mm	12.5 mm	
Optic diameter	6.0 mm	6.0 mm	6.0 mm	
Self unfolding	Yes	Yes	Yes	
Water content	23.5 – 27.5 %	23.5 – 27.5 %	23.5 – 27.5 %	
Angulation	5°	5°	5°	
Material	Hydrophilic Acrylic	Hydrophilic Acrylic	Natural Yellow Hydrophilic Acrylid	
Refractive index	1.46	1.46	1.46	
A-constant	118	118	118	
UV Filter	Yes	Yes	Yes	
Shelf Life	5 years	5 years	5 years	

DISPOSABLE IOL INJECTOR





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

Туре	Dispersive
Material	2% HPMC
Molecular weight	86 000 Da
Viscosity	3 000-4 000 cSt
рН	6.0-7.8
Osmolality	250-350 mOsmol/kg
Volume	2 ml
Shelf Life	3 years

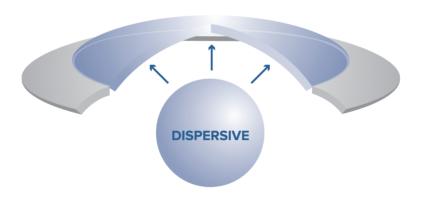
Advantages

- · 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





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
	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		°C	
рН	6.8–7.4		
Volume		1.00 n	nl
Shelf Life		3.5 ye	ears

Advantages

- no refrigeration necessary
- good maintenance of the anterior chamber 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:

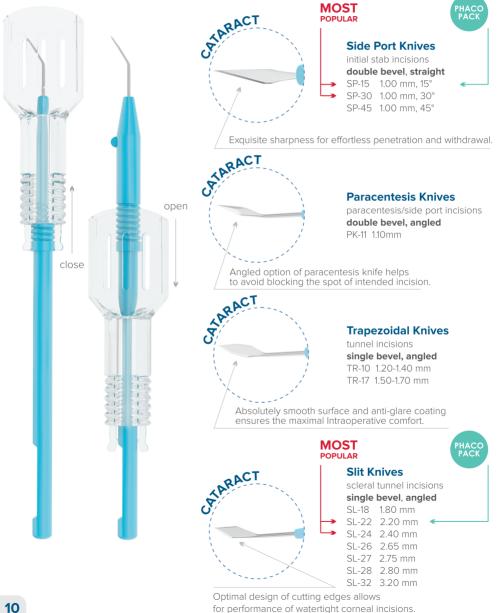
- maintain space and pressure in the eye
- keep the empty capsular bag open for IOL insertion
- support the anterior chamber and flatten the anterior capsule
- · dilate small pupils
- · dissect areas of adhesion



HIGH PRECISION DISPOSABLE KNIVES WITH SAFETY SYSTEM

6 #g

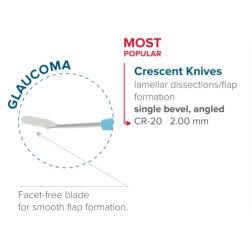
All knives are equipped with safety function lids



DISPOSABLE KNIVES



for controlled divina.



and contributes to re-epitalization.





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

Other sizes are available upon request

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

DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT

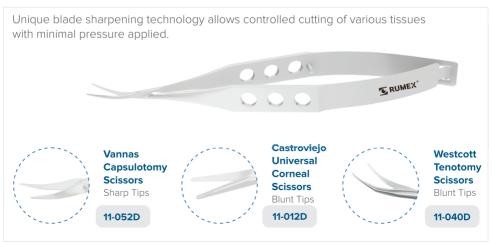
SPECULUMS



IRIS RETRACTORS

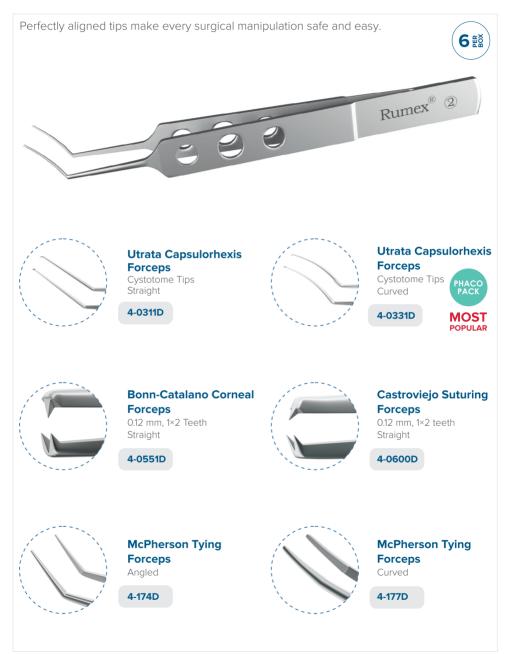


SCISSORS



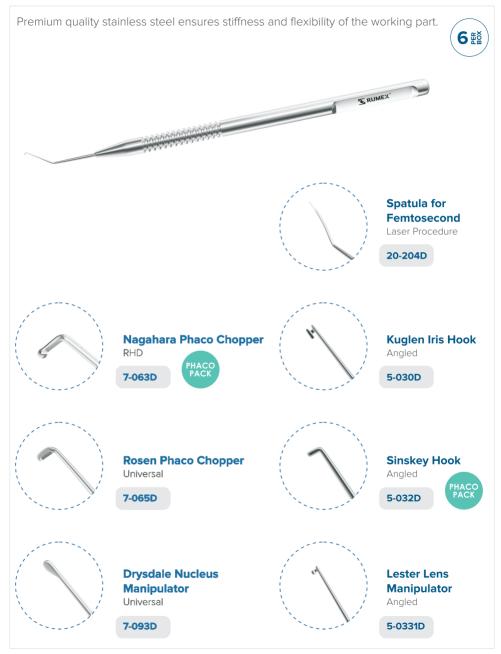
DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT

FORCEPS



DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT

MANIPULATORS



DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT

Entirely stainless instruments are manufactured as an integral tool with an intact inner spring mechanism that provides for precise performance and instant tactile control. **6** #8 **FORCEPS*** RUMEX **Eckardt End-Gripping Forceps End-Grasping Forceps** 12-410-23D 23 Ga **12-420-23D** 23 Ga 12-410-25D 25 Ga 12-420-25D 25 Ga **Gripping Forceps Gripping Forceps** With a "crocodile platform" 12-301-23D 23 Ga 12-304-23D 23 Ga 12-301-25D 25 Ga 12-304-25D 25 Ga **Pick Forceps** 12-325-23D 23 Ga 12-325-25D 25 Ga **6** #8 **SCISSORS*** RUMEX **Curved Scissors** 12-209-23D 23 Ga 12-209-25D 25 Ga

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



Physico-chemical properties

Interfacial tension	≥ 40 mNm ⁻¹ at 37°C
Density	0.97
Viscosity	1000/5000 cSt
Refractive index	1.40
Volatility	< 1%
Polydispersity	< 2.8
Volume of oil	10 ml
Syringe	20 ml
Shelf life	3 years

SILICONE OIL INFUSION SYSTEMS

Surgical System	Disposable			
loltech® Pentasys™, Optikon® Antares™, Alcon® STTO™, Storz® Premiere™, DORC®, Harmony Budget™	12-DTUB-1			
DORC® Associate™, Alcon®, Constellation™, Accurus™	12-DTUB-2			
B&L® Millenium™, Stellaris™	12-DTUB-3			
Oerlti® Orbit™, Faros™, OS3™	12-DTUB-4			
Viscous Fluid Injection Cannula				

10 mm polyimide tip allowing injection of viscous fluids such as silicone oil through the 23Ga trocar cannula during the vitreoretinal surgery.

12-5248 23Ga X 10mm



DISPOSABLE TROCAR SYSTEM

One Step Trocar System



Trocar System is an essential device in every vitreoretinal surgery. It is used as a port to gain access into the eye through which other surgical instruments can be introduced to aid in surgical procedures.

Each package includes:

- 1. Trocar knife with preloaded trocar cannula 3 pcs
- 2. Self-sealing trocar cannula (preloaded) 3 pcs
- 3. Infusion line (for BSS) 1 pcs
- 4. Trocar cannula inserter 3 pcs
- **12-5229** 23 Ga
- **12-5244** 25 Ga

Trocar knife

with preloaded cannulas



Trocar Cannula Inserter

the proximal end of the plastic handle (opposite to the knife) can be used as a caliper and a scleral marker (two dimensions, 3.00 and 4.00 mm)



Self-Sealing Trocar Cannula

self-sealing silicone valves eliminating need for plugs





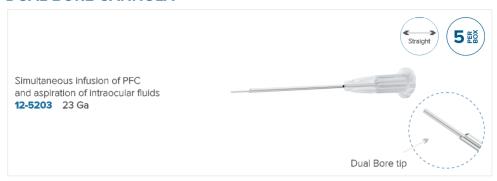
Universal Infusion Line

universal infusion line for BSS

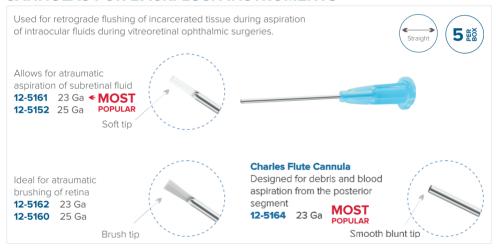


VITREORETINAL DISPOSABLE CANNULAS

DUAL BORE CANNULA



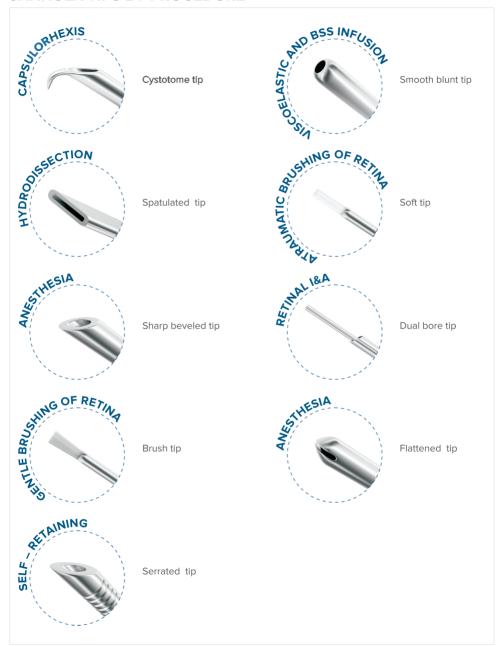
CANNULAS FOR BACKFLUSH INSTRUMENTS



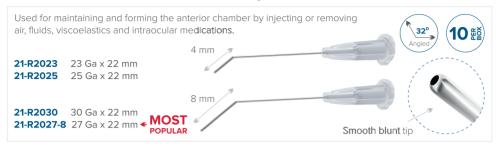
DISPOSABLE BACKFLUSH HANDLES



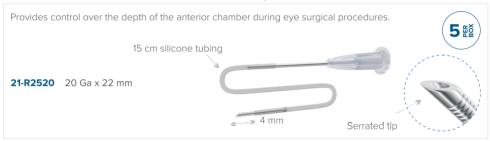
CANNULA TIPS BY PROCEDURE



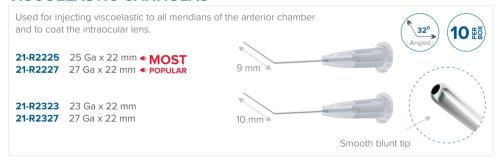
ANTERIOR CHAMBER CANNULAS, RYCROFT



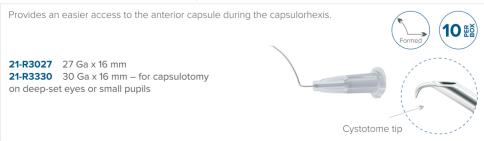
ANTERIOR CHAMBER MAINTAINER, LEWICKY



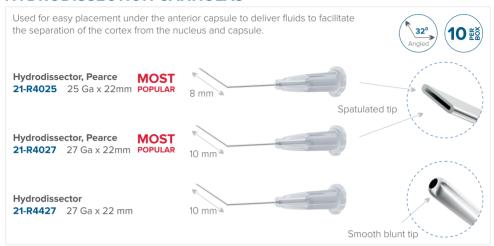
VISCOELASTIC CANNULAS



IRRIGATING CYSTOTOMES, PEARCE



HYDRODISSECTION CANNULAS



CORTEX EXTRACTOR, SIMCOE

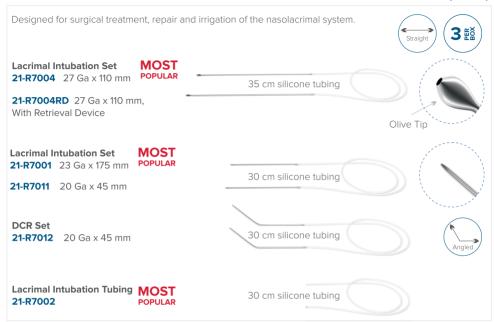


CANNULAS FOR ANESTHESIA



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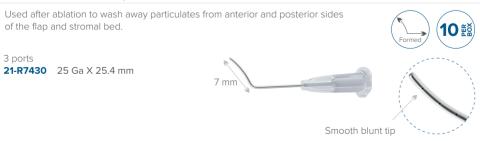
LACRIMAL INTUBATION AND DACRYOCYSTORHINOSTOMY (DCR)



LACRIMAL CANNULA



LASIK CANNULA, LINDSTROM



Cannulas Gauge Conversion Chart

Course	Inner D	iameter	Outer D	iameter	Calaur
Gauge	In	mm	In	mm	Colour
19G	.028	.70	.043	1.10	
20G	.024	.60	.036	.90	
21G	.020	.51	.032	.80	
22G	.016	.41	.028	.70	
23G	.013	.33	.025	.60	
24G	.012	.30	.022	.55	
25G	.010	.25	.020	.50	
26G	.010	.25	.018	.45	
27G	.008	.20	.016	.40	
30G	.006	.15	.012	.30	

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