

# PRODUCT LISTING 2019



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**medicel**  
SWISS TECHNOLOGY FOR SURGERY

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# ERGOJECT™ - TODAY'S WAY TO INJECT IOLS

## SINGLE-USE INJECTOR SETS, TOP-LOADED, STERILE

ERGOJECT™ is the world's first fully disposable screw injector with single-handed operation. Inspired by the Swiss watch industry, its precisely working micro gear provides an unprecedented smooth and controlled injection of almost any one-piece lens. Cartridges and top-loaded loading chambers are identical to the ones used in the ACCUJECT™ system. This makes the use of ERGOJECT™ very convenient for current ACCUJECT™ users.

consisting of: ERGOJECT™ Injection system  
with integrated cartridge\* and top-loaded loading chamber  
(Box of 10)



## FOR HYDROPHILIC LENSES

ITEM CODE	PRODUCT NAME	INCISION SIZE (mm)			IOL TYPE
		wound-assisted	into-the-wound	into-the-bag	
ERT3000	ERGOJECT™ 3.0-TL Injector Set	2.4	2.7-2.8	3.1	1-piece lenses
ERT2400	ERGOJECT™ 2.4-TL Injector Set	2.1	2.4	2.7	1-piece lenses
ERT2200	ERGOJECT™ 2.2-TL Injector Set	1.9 - 2.0	2.2	2.5	1-piece lenses
ERT2100	ERGOJECT™ 2.1-TL Injector Set	1.9	2.1-2.2	2.4	1-piece lenses
ERT2000	ERGOJECT™ 2.0-TL Injector Set	1.8 - 1.9	2.1	2.3 - 2.4	1-piece lenses
ERT1800	ERGOJECT™ 1.8-TL Injector Set	1.8	2.0	2.2 - 2.3	1-piece lenses
ERT1600	ERGOJECT™ 1.6-TL Injector Set	1.6	1.8	2.0	1-piece lenses

\*given incision sizes are indications only based on average experiences.  
Individual required incision sizes may vary depended on surgical techniques



# ERGOJECT™ - TODAY'S WAY TO INJECT IOLS

## SINGLE-USE INJECTOR SETS, BACK-LOADED

Compared to classical syringe injectors, the pen-like operation of ERGOJECT™ provides a much higher stability since the operation point is around 2cm closer to the eye. Consequently, lever forces and coherent up- and downturns of the injector are significantly reduced.

Different from classical two-handed screw injectors, the second hand remains free and it can be used for stabilizing the eye or for manipulating the lens within the capsular bag.

Cartridges and top-loaded loading chambers are identical to the ones used in the ACCUJECT™ system. This makes the use of ERGOJECT™ very convenient for current ACCUJECT™ users.

consisting of: ERGOJECT™ Injection system  
with integrated cartridge\* and back-loaded loading chamber  
(Box of 10)



## FOR HYDROPHOBIC LENSES

ITEM CODE	PRODUCT NAME	INCISION SIZE (mm)			IOL TYPE
		wound-assisted	into-the-wound	into-the-bag	
ERB3000	ERGOJECT™ 3.0-BL Injector Set	2.4	2.7-2.8	3.1	1-piece lenses
ERB2400	ERGOJECT™ 2.4-BL Injector Set	2.1	2.4	2.7	1-piece lenses
ERB2200	ERGOJECT™ 2.2-BL Injector Set	1.9 - 2.0	2.2	2.5	1-piece lenses
ERB2100	ERGOJECT™ 2.1-BL Injector Set	1.9	2.1-2.2	2.4	1-piece lenses
ERB2000	ERGOJECT™ 2.0-BL Injector Set	1.8 - 1.9	2.1	2.3 - 2.4	1-piece lenses
ERB1800	ERGOJECT™ 1.8-BL Injector Set	1.8	2.0	2.2 - 2.3	1-piece lenses

\*given incision sizes are indications only based on average experiences.  
Individual required incision sizes may vary depended on surgical techniques



# ACCUJECT™ - THE PREMIUM SOLUTION

## SINGLE-USE INJECTOR SETS, TOP-LOADED, STERILE

The compact ACCUJECT™ design with integrated cartridge enables a simple, predictable loading and positioning of any lens. It is designed for 1- and 3-piece lenses.

consisting of: ACCUJECT™ Injection system  
with integrated cartridge\* and top-loaded loading chamber  
(Box of 10)



## FOR HYDROPHOBIC AND HYDROPHILIC LENSES

ITEM CODE	PRODUCT NAME	INCISION SIZE (mm)			IOL TYPE
		wound-assisted	into-the-wound	into-the-bag	
LP604580	ACCUJECT™ 3.0-3P Injector Set	2.4	2.8	3.2	3-piece lenses
LP604520	ACCUJECT™ 2.5-3P Injector Set	2.2	2.5	2.8 - 2.9	3-piece lenses
LP604570	ACCUJECT™ 3.0-1P Injector Set	2.4	2.7-2.8	3.1	1-piece lenses
LP604500	ACCUJECT™ 2.6-1P Injector Set	2.2	2.5	2.8	1-piece lenses
LP604600	ACCUJECT™ 2.4-1P Injector Set	2.1	2.4	2.7	1-piece lenses
LP604530	ACCUJECT™ 2.2-1P Injector Set	1.9 - 2.0	2.2	2.5	1-piece lenses
LP604590	ACCUJECT™ 2.1-1P Injector Set	1.9	2.1 - 2.2	2.4	1-piece lenses
LP604510	ACCUJECT™ 2.0-1P Injector Set	1.8 - 1.9	2.1	2.3 - 2.4	1-piece lenses
LP604540	ACCUJECT™ 1.8-1P Injector Set	1.8	2.0	2.2 - 2.3	1-piece lenses (hydrophilic only)
LP604550	ACCUJECT™ 1.6-1P Injector Set	1.6	1.8	2.0	1-piece lenses (hydrophilic only)

\*given incision sizes are indications only based on average experiences.  
Individual required incision sizes may vary depended on surgical techniques



for 1-piece IOLs



for 3-piece IOLs

# ACCUJECT™ - THE PREMIUM SOLUTION

## SINGLE-USE INJECTOR SETS, BACK-LOADED

The intelligent ACCUJECT™ back-loaded technique combines the advantages of the silicone cushion technology with the advantages of the classical back-loaded injectors. It is therefore impossible to ride over or scratch the lens as often seen when using a hard-tip injector.

consisting of: ACCUJECT™ Injection system  
with integrated cartridge\* and back-loaded loading chamber  
(Box of 10)



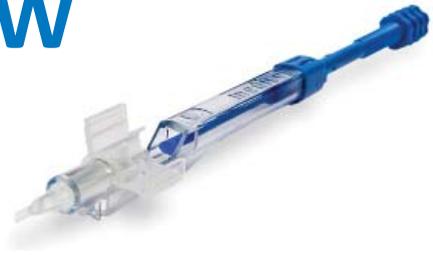
## FOR HYDROPHOBIC LENSES

ITEM CODE	PRODUCT NAME	INCISION SIZE (mm)			IOL TYPE
		wound-assisted	into-the-wound	into-the-bag	
LP604575	ACCUJECT™ 3.0-BL Injector Set	2.4	2.7 - 2.8	3.1	1-piece lenses
LP604505	ACCUJECT™ 2.6-BL Injector Set	2.2	2.5	2.8	1-piece lenses
LP604605	ACCUJECT™ 2.4-BL Injector Set	2.1	2.4	2.7	1-piece lenses
LP604535	ACCUJECT™ 2.2-BL Injector Set	1.9 - 2.0	2.2	2.5	1-piece lenses
LP604595	ACCUJECT™ 2.1-BL Injector Set	1.9	2.1 - 2.2	2.4	1-piece lenses
LP604515	ACCUJECT™ 2.0-BL Injector Set	1.8 - 1.9	2.1	2.3 - 2.4	1-piece lenses
LP604545	ACCUJECT™ 1.8-BL Injector Set	1.8	2.0	2.2 - 2.3	1-piece lenses

\*given incision sizes are indications only based on average experiences.  
Individual required incision sizes may vary depended on surgical techniques



# ACCUJECT™ SCREW



## SINGLE-USE INJECTOR SETS, STERILE

Our single-use ACCUJECT™ SCREW injection system allows a quick release of the lens from the loading chamber using the known push-mechanism. As soon as the screw thread is grasped, the lens can be injected smoothly and controlled via the screw advancement. It is available as top-loading or back-loading version.

### TOP-LOADED / FOR HYDROPHOBIC AND HYDROPHILIC LENSES

consisting of: ACCUJECT™ SCREW Injection system  
with integrated cartridge\* and top-loaded loading chamber  
(Box of 10)



ITEM CODE	PRODUCT NAME	INCISION SIZE (mm)			IOL TYPE
		wound-assisted	into-the-wound	into-the-bag	
AST3000	ACCUJECT™ SCREW 3.0-TL Injector Set	2.4	2.7 - 2.8	3.1	1-piece lenses
AST2400	ACCUJECT™ SCREW 2.4-TL Injector Set	2.1	2.4	2.7	1-piece lenses
AST2200	ACCUJECT™ SCREW 2.2-TL Injector Set	1.9 - 2.0	2.2	2.5	1-piece lenses
AST2100	ACCUJECT™ SCREW 2.1-TL Injector Set	1.9	2.1 - 2.2	2.4	1-piece lenses
AST2000	ACCUJECT™ SCREW 2.0-TL Injector Set	1.8 - 1.9	2.1	2.3 - 2.4	1-piece lenses
AST1800	ACCUJECT™ SCREW 1.8-TL Injector Set	1.8	2.0	2.2 - 2.3	1-piece lenses (hydrophilic only)
AST1600	ACCUJECT™ SCREW 1.6-TL Injector Set	1.6	1.8	2.0	1-piece lenses (hydrophilic only)

### BACK-LOADED / FOR HYDROPHOBIC LENSES

consisting of: ACCUJECT™ SCREW Injection system  
with integrated cartridge\* and back-loaded loading chamber  
(Box of 10)



ITEM CODE	PRODUCT NAME	INCISION SIZE (mm)			IOL TYPE
		wound-assisted	into-the-wound	into-the-bag	
ASB3000	ACCUJECT™ SCREW 3.0-BL Injector Set	2.4	2.7 - 2.8	3.1	1-piece lenses
ASB2600	ACCUJECT™ SCREW 2.6-BL Injector Set	2.2	2.5	2.8	1-piece lenses
ASB2400	ACCUJECT™ SCREW 2.4-BL Injector Set	2.1	2.4	2.7	1-piece lenses
ASB2200	ACCUJECT™ SCREW 2.2-BL Injector Set	1.9 - 2.0	2.2	2.5	1-piece lenses
ASB2100	ACCUJECT™ SCREW 2.1-BL Injector Set	1.9	2.1 - 2.2	2.4	1-piece lenses
ASB2000	ACCUJECT™ SCREW 2.0-BL Injector Set	1.8 - 1.9	2.1	2.3 - 2.4	1-piece lenses
ASB1800	ACCUJECT™ SCREW 1.8-BL Injector Set	1.8	2.0	2.2 - 2.3	1-piece lenses

\*given incision sizes are indications only based on average experiences.  
Individual required incision sizes may vary depended on surgical techniques

# VISCOJECT™-BIO - A TRUE CLASSIC

## SINGLE-USE INJECTOR SETS, STERILE

ENGINEERED BIOFILM™ coating makes VISCOJECT™-BIO the leading MICS lens delivery system a truly unique product. ENGINEERED BIOFILM™ offers outstanding gliding properties for IOLs to be safely injected through even smaller incision sizes.

consisting of: VISCOJECT™ Injector with silicone cushion  
VISCOJECT™-BIO Cartridge\*  
(Box of 10)

## FOR HYDROPHOBIC AND HYDROPHILIC LENSES



ITEM CODE	PRODUCT NAME	INCISION SIZE (mm)			IOL TYPE
		wound-assisted	into-the-wound	into-the-bag	
LP604335C	VISCOJECT™-BIO 2.7 Injector Set	2.2 - 2.3	2.5 - 2.6	2.9	1-piece lenses
LP604340C	VISCOJECT™-BIO 2.2 Injector Set	1.9 - 2.0	2.2	2.5	1-piece lenses
LP604350C	VISCOJECT™-BIO 1.8 Injector Set	1.8	2.0	2.2	1-piece lenses (hydrophilic only)
LP604370C	VISCOJECT™-BIO 1.6 Injector Set	1.6	1.8	2.0	1-piece lenses (hydrophilic only)
LP604360C	VISCOJECT™-BIO 1.5 Injector Set	1.4	1.6	1.8	1-piece lenses (for micro-incision lenses only)

\*given incision sizes are indications only based on average experiences.  
Individual required incision sizes may vary depended on surgical techniques



# VISCOJECT™-BIO

## SINGLE-USE CARTRIDGE SETS, STERILE

A wide range of cartridge sizes and its affordable pricing makes the VISCOJECT™-BIO with ENGINEERED BIO-FILM™ coating the perfect allround system for single-piece IOLs of any design. Available in combination with a reusable titanium injector.

consisting of: VISCOJECT™-BIO Cartridge\*  
SILICONE CUSHION  
(Box of 10)



## FOR HYDROPHOBIC AND HYDROPHILIC LENSES

ITEM CODE	PRODUCT NAME	INCISION SIZE (mm)			IOL TYPE
		wound-assisted	into-the-wound	into-the-bag	
LP604235C	VISCOJECT™-BIO 2.7 Cartridge Set	2.2 - 2.3	2.5 - 2.6	2.9	1-piece lenses
LP604240C	VISCOJECT™-BIO 2.2 Cartridge Set	1.9 - 2.0	2.2	2.5	1-piece lenses
LP604250C	VISCOJECT™-BIO 1.8 Cartridge Set	1.8	2.0	2.2	1-piece lenses (hydrophilic only)
LP604270C	VISCOJECT™-BIO 1.6 Cartridge Set	1.6	1.8	2.0	1-piece lenses (hydrophilic only)
LP604260C	VISCOJECT™-BIO 1.5 Cartridge Set	1.4	1.6	1.8	1-piece lenses (hydrophilic only)

\*given incision sizes are indications only based on average experiences.  
Individual required incision sizes may vary depended on surgical techniques

## REUSABLE INJECTORS, NON-STERILE

ITEM CODE	PRODUCT NAME	TYPE	TO BE USED WITH VISCOJECT™-BIO CARTRIDGE SETS
LI604205	VISCOJECT™ Injector „ATRAUMATIC“	syringe type	LP604235C / LP604240C / LP604250C / LP604270C / LP604260C
LI604215	VISCOJECT™ Injector „ATRAUMATIC“	screw type	LP604235C / LP604240C / LP604250C / LP604270C / LP604260C

syringe type



screw type



# VISCOJECT™ *easy*

## SINGLE-USE INJECTOR SETS, STERILE

VISCOJECT™ *easy* is the youngest member of the VISCOJECT™ family. The loading of the lens is done with the aid of a loading unit, which defines the angular position of the cartridge wing and the management of the loading is considerably simplified. The design of the cartridge tip is equivalent to the advanced VISCOJECT™-BIO cartridge.

consisting of: VISCOJECT™ *easy* Injector with silicone cushion  
VISCOJECT™ *easy* Cartridge\*  
(Box of 10)



loading unit

## FOR HYDROPHOBIC AND HYDROPHILIC LENSES

ITEM CODE	PRODUCT NAME	INCISION SIZE (mm)			IOL TYPE
		wound-assisted	into-the-wound	into-the-bag	
VY2900	VISCOJECT™ <i>easy</i> 2.9-1P Injector Set	2.4	2.7	3.0 - 3.1	1-piece lenses
VY2700	VISCOJECT™ <i>easy</i> 2.7-1P Injector Set	2.2 - 2.3	2.5 - 2.6	2.9	1-piece lenses
VY2400	VISCOJECT™ <i>easy</i> 2.4-1P Injector Set	2.1	2.4	2.7	1-piece lenses
VY2200	VISCOJECT™ <i>easy</i> 2.2-1P Injector Set	1.9 - 2.0	2.2	2.5	1-piece lenses

\*given incision sizes are indications only based on average experiences.  
Individual required incision sizes may vary depended on surgical techniques



# VISCOJECT™ *easy*

## SINGLE-USE CARTRIDGE SETS, STERILE

VISCOJECT™ *easy* is also available in combination with reusable titanium injectors. The loading of the lens is done with the aid of a loading unit, which defines the angular position of the cartridge wing and the management of the loading is considerably simplified. The design of the cartridge tip is equivalent to the advanced VISCOJECT™-BIO cartridge.

consisting of: VISCOJECT™ *easy* Cartridge\*  
VISCOJECT™ *easy* Loading unit  
(Box of 10)



loading unit

## FOR HYDROPHOBIC AND HYDROPHILIC LENSES

ITEM CODE	PRODUCT NAME	INCISION SIZE (mm)			LOADING UNIT YES / NO	IOL TYPE
		wound-assisted	into-the-wound	into-the-bag		
VC2900	VISCOJECT™ <i>easy</i> 2.9-1P Cartridge Set	2.4	2.7	3.0 - 3.1	Yes	1-piece lenses
VC2700	VISCOJECT™ <i>easy</i> 2.7-1P Cartridge Set	2.2 - 2.3	2.5 - 2.6	2.9	Yes	1-piece lenses
VC2400	VISCOJECT™ <i>easy</i> 2.4-1P Cartridge Set	2.1	2.4	2.7	Yes	1-piece lenses
VC2200	VISCOJECT™ <i>easy</i> 2.2-1P Cartridge Set	1.9 - 2.0	2.2	2.5	Yes	1-piece lenses

\*given incision sizes are indications only based on average experiences.  
Individual required incision sizes may vary depended on surgical techniques

## REUSABLE INJECTORS, NON-STERILE

ITEM CODE	PRODUCT NAME	TYPE	TO BE USED WITH VISCOJECT™ <i>easy</i> CARTRIDGE SETS
LI604305	VISCOJECT™ <i>easy</i> Injector „ATRAUMATIC“	syringe type	VC2700 / VC2200
LI604315	VISCOJECT™ <i>easy</i> Injector „ATRAUMATIC“	screw type	VC2700 / VC2200

syringe type



screw type



# VISCOJECT™ **eco**

## SINGLE-USE INJECTOR SETS, STERILE

Are you located in a price sensitive market? The attractive price performance ratio of the VISCOJECT™ **eco** is the perfect solution. Most importantly, equipped with the traditional VISCOJECT™ cartridge, the VISCOJECT™ **eco** does not compromise on quality and safety.

consisting of: VISCOJECT™ **eco** Injector with silicone cushion  
VISCOJECT™ Cartridge\*  
(Box of 20)



## FOR HYDROPHOBIC AND HYDROPHILIC LENSES

ITEM CODE	PRODUCT NAME	INCISION SIZE (mm)			IOL TYPE
		wound-assisted	into-the-wound	into-the-bag	
VE2700	VISCOJECT™ <b>eco</b> 2.7 Injector Set	2.3	2.6 - 2.7	2.9 - 3.0	1-piece lenses
VE2200	VISCOJECT™ <b>eco</b> 2.2 Injector Set	2.1 - 2.2	2.4	2.7 - 2.8	1-piece lenses

\*given incision sizes are indications only based on average experiences.  
Individual required incision sizes may vary depended on surgical techniques



# MULTIJECT™

## SINGLE-USE CARTRIDGES, STERILE

The combination of the MULTIJECT™ reusable titanium lens injector and the MULTIJECT™ series cartridges results in a sound and well proven complete lens injection system compatible with silicone as well as acrylic lenses of any design. The MULTIJECT™ allow injection of any style of foldable 1- and 3-piece acrylic and silicone lenses.

consisting of: MULTIGLIDE™ Cartridge\*

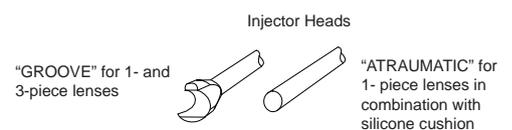


### FOR HYDROPHOBIC AND HYDROPHILIC LENSES

ITEM CODE	PRODUCT NAME	IOL TYPE	INCISION SIZE
LC604215	MACROGLIDE™ Cartridge	1- and 3-piece lenses	sub 3.5mm
LC604210	OVALGLIDE™ Cartridge	1- and 3-piece lenses	sub 3.2mm
LC604220M	MICROGLIDE™ Cartridge	1- and 3-piece lenses	sub 3.0mm
LS604500	SILICONE CUSHION	to be used with reusable injector LI604205 / LI604215	

\*given incision sizes are indications only based on average experiences.  
Individual required incision sizes may vary depended on surgical techniques

## REUSABLE INJECTORS, NON-STERILE



ITEM CODE	PRODUCT NAME	TYPE	IOL TYPE	TO BE USED WITH MULTIJECT™ CARTRIDGES
LI604200	MULTIJECT™ Injector „GROOVE“	syringe type	1- and 3-piece lenses	LC604215 LC604210 LC604220M
LI604205	MULTIJECT™ Injector „ATRAUMATIC“	syringe type	1-piece lenses	
LI604210	MULTIJECT™ Injector „GROOVE“	screw type	1- and 3-piece lenses	
LI604215	MULTIJECT™ Injector „ATRAUMATIC“	screw type	1-piece lenses	

syringe type



screw type



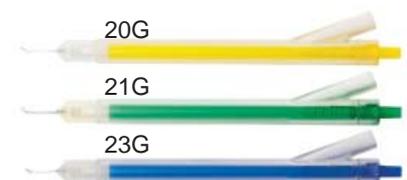
# I/A INSTRUMENTS

## SINGLE-USE SWISS COAXIAL I/A SYSTEMS, STERILE

Ergonomic grip design!

Beside the Classic Design – known and valued by surgeons all-over the world – Medicel offers a complete new range of disposable I/A handles. The new I/A handles. The new design responds to surgeons demand to improve ergonomics and grip of I/A handles without compromising product quality. Latest manufacturing technology allows us to offer an attractive priced product without compromising the quality.

consisting of: Coaxial I/A Instrument  
(Box of 10)



ITEM CODE	SIZE	INCISION SIZE	ASPIRATION CANNULA	ASPIRATION PORT	ASPIRATION HEAD
SMS325P	20G / 0.9mm	2.5mm	angled 45°	0.35mm	polished
SMS335	20G / 0.9mm	2.5mm	angled 65°	0.35mm	textured
SMS355P	21G / 0.8mm	2.2mm	angled 45°	0.35mm	polished
SMS370P	23G / 0.65mm	1.8mm	angled 45°	0.30mm	polished
SMS410 (FLACS)	20G / 0.9mm	2.5mm	30° bevelled tip	0.60mm	n/a
SMS430 (FLACS)	21G / 0.8mm	2.2mm	30° bevelled tip	0.60mm	n/a



## WITH SILICONE TIP



ITEM CODE	SIZE	INCISION SIZE	ASPIRATION CANNULA	ASPIRATION PORT	ASPIRATION HEAD
SMS390S*	21G / 0.8mm	2.2mm	angled 45°	0.40mm	silicone tip

## SINGLE-USE SWISS BIMANUAL I/A SYSTEMS, STERILE

consisting of: Bimanual I/A Instrument  
(Box of 10)



ITEM CODE	SIZE	INCISION SIZE	ASPIRATION CANNULA	ASPIRATION PORT	ASPIRATION HEAD	IRRIGATION CANNULA	IRRIGATION PORT
SBS310	21G / 0.8mm	1.1mm	bullet shape	0.35mm	textured	bullet shape	2 ports, 0.45mm
SBS320	23G / 0.65mm	0.8mm	bullet shape	0.30mm	textured	bullet shape	2 ports, 0.35mm

# I/A INSTRUMENTS

## SINGLE-USE SWISS COAXIAL I/A SYSTEMS, STERILE

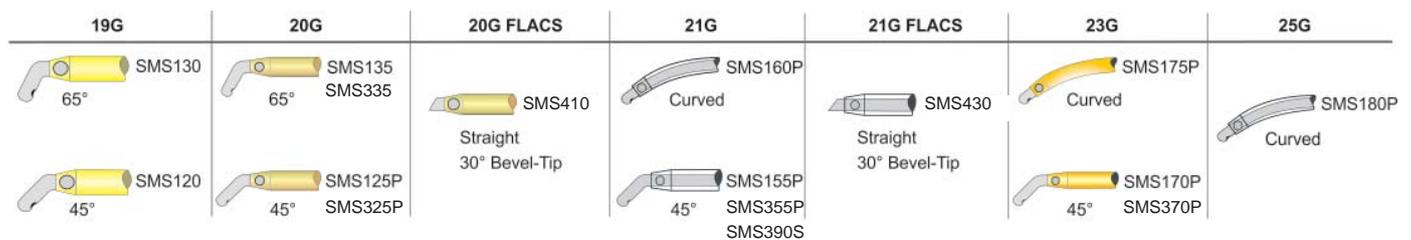
The Medicel range of coaxial irrigation / aspiration systems features straight versions and angled versions at 45° and 65°. All models are available as 19G, 20G, 21G and 23G version required for the coaxial micro-incision method. The textured aspiration tip can be used for selective polishing of the posterior capsule.

As all I/A systems are equipped with perfectly matching infusion sleeves, dimensional conditions are identical to the previous phaco-procedure and thus ensuring a smooth and totally leak-free cortical removal.

consisting of: Coaxial I/A Instrument  
(Box of 10)



ITEM CODE	SIZE	INCISION SIZE	ASPIRATION CANNULA	ASPIRATION PORT	ASPIRATION HEAD
SMS120	19G / 1.1mm	2.8mm	angled 45°	0.35mm	textured
SMS130	19G / 1.1mm	2.8mm	angled 65°	0.35mm	textured
SMS115	20G / 0.9mm	2.5mm	straight	0.35mm	textured
SMS125P	20G / 0.9mm	2.5mm	angled 45°	0.35mm	polished
SMS135	20G / 0.9mm	2.5mm	angled 65°	0.35mm	textured
SMS155P	21G / 0.8mm	2.2mm	angled 45°	0.35mm	polished
SMS160P	21G / 0.8mm	2.2mm	curved	0.35mm	polished
SMS170P	23G / 0.65mm	1.8mm	angled 45°	0.30mm	polished
SMS175P	23G / 0.65mm	1.8mm	curved	0.30mm	polished
SMS180P	25G / 0.6mm	1.5mm	curved	0.30mm	polished



# I/A INSTRUMENTS

## SINGLE-USE SWISS BIMANUAL I/A SYSTEMS, STERILE

The curved irrigation and aspiration cannulas with elegant aeroplane-nose design, have a diameter of just 0.8 mm (21G) and can be introduced effortlessly through the smallest paracenteses. At the same time, the inner lumens are designed with maximum size for efficient capsule cleaning with a stable anterior chamber.

The tip of the aspiration cannula is textured for capsule polishing. On the SBS105 the irrigation cannula is slightly pointed and open at the front. This ensures an active rinsing function.

consisting of: Bimanual I/A Instrument  
(Box of 10)



ITEM CODE	SIZE	INCISION SIZE	ASPIRATION CANNULA	ASPIRATION PORT	ASPIRATION HEAD	IRRIGATION CANNULA	IRRIGATION PORT
<b>SBS105</b>	21G / 0.8mm	1.1mm	curved, aeroplane shape	0.35mm	textured	open	1 port, 0.5mm
<b>SBS110A</b>	21G / 0.8mm	1.1mm	curved, aeroplane shape	0.35mm	textured	curved, aeroplane shape	2 ports, 0.45mm
<b>SBS122A</b>	22G / 0.7mm	1.0mm	aeroplane shape	0.35mm	textured	curved, aeroplane shape	2 ports, 0.45mm
<b>SBS123A</b>	23G / 0.65mm	0.8mm	aeroplane shape	0.30mm	textured	curved, aeroplane shape	2 ports, 0.35mm

## MULTI-USE BIMANUAL I/A SYSTEMS, STERILE (AUTOCLAVABLE UP TO 10 TIMES)

This unique semi-disposable line is fully autoclavable and validated for up to 10 sterilisations. Identical to the single-use line, the multiple-use products are sterile packed.

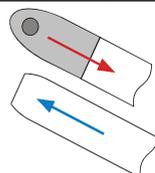
**Sets delivered sterile, components can be autoclaved at 121°C/20 min or 134°C/5 min up to 10 times.**

consisting of: Bimanual I/A Instrument  
(Box of 10)

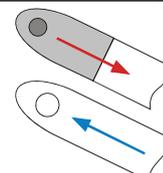


ITEM CODE	SIZE	INCISION SIZE	ASPIRATION CANNULA	ASPIRATION PORT	ASPIRATION HEAD	IRRIGATION CANNULA	IRRIGATION PORT
<b>SBS105RU</b>	21G / 0.8mm	1.1mm	curved, aeroplane shape	0.35mm	textured	open	1 port, 0.5mm
<b>SBS110ARU</b>	21G / 0.8mm	1.1mm	curved, aeroplane shape	0.35mm	textured	curved, aeroplane shape	2 ports, 0.45mm

SBS105  
SBS105RU



SBS110A  
SBS110ARU



# I/A INSTRUMENTS

## REUSABLE SWISS BIMANUAL I/A SYSTEMS, NON-STERILE

The Medicel bimanual I/A systems can be combined in various configurations. All models are made of titanium. Thanks to the aeroplane-nose design, cannulas can be introduced easily through the smallest of incisions.

consisting of: Aspiration Instrument  
(Box of 1)

### I/A ASPIRATION INSTRUMENTS



ITEM CODE	SIZE	INCISION SIZE	ASPIRATION CANNULA	ASPIRATION PORT	ASPIRATION HEAD
<b>SBA100A</b>	21G / 0.8mm	1.1mm	aeroplane shape	0.35mm	polished
<b>SBA103A</b>	21G / 0.8mm	1.1mm	aeroplane shape	0.40mm	polished
<b>SBA104A</b>	21G / 0.8mm	1.1mm	aeroplane shape	0.40mm	textured
<b>SBA105A</b>	21G / 0.8mm	1.1mm	aeroplane shape	0.35mm	textured
<b>SBA101B</b>	23G / 0.6mm	0.8mm	bullet shape	0.30mm	polished
<b>SBA106B</b>	23G / 0.6mm	0.8mm	bullet shape	0.30mm	textured

consisting of: Irrigation Instrument  
(Box of 1)

### I/A IRRIGATION INSTRUMENTS

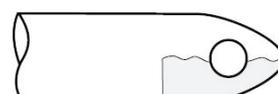


ITEM CODE	SIZE	INCISION SIZE	IRRIGATION CANNULA	IRRIGATION PORT	IRRIGATION HEAD
<b>SBI120A</b>	21G / 0.8mm	1.1mm	aeroplane shape	2 ports, 0.45mm	polished
<b>SBI125A</b>	21G / 0.8mm	1.1mm	aeroplane shape	2 ports, 0.45mm	textured
<b>SBI121B</b>	23G / 0.6mm	0.8mm	bullet shape	2 ports, 0.30mm	polished
<b>SBI126B</b>	23G / 0.6mm	0.8mm	bullet shape	2 ports, 0.30mm	textured

Bullet-shape



aeroplane-shape



# 4K F-SONIC PHACO SETS

## 4K F-SONIC FLARED PHACO ACCESSORIES SETS



Stable chamber even in high vacuum levels, efficient emulsification to reduce effective phaco-time without compromising safety - this is our latest member of the phaco tip family - F-SONIC.

**compatible with the following phaco machines:** Bausch&Lomb, AMO, Nidek, Oertli, Ruck/Croma, Geuder, DORC

**Single-use** sets (sterile) consisting of 10 titanium tips with 10 tip-wrenches / 10 infusion sleeves / 10 test chambers

ITEM CODE	PRODUCT NAME	SIZE	AVAILABLE DEGREE	INCISION SIZE
PA603020FK	4K F-SONIC 20G/30°	<b>20G / 0.9mm</b>	30° (Standard)	2.5mm
PA603021FK	4K F-SONIC 21G/30°	<b>21G / 0.8mm</b>	30° (Standard)	2.2mm
PA603023FK	4K F-SONIC 23G/30°	<b>23G / 0.7mm</b>	30° (Standard)	1.8mm

**10 times multi-use** (sterile) sets consisting of 10 titanium tips with 10 autoclavable tip-wrenches and infusion sleeves

ITEM CODE	PRODUCT NAME	SIZE	AVAILABLE DEGREE	INCISION SIZE
PA603020FKRU	4K F-SONIC 20G/30°	<b>20G / 0.9mm</b>	30° (Standard)	2.5mm
PA603021FKRU	4K F-SONIC 21G/30°	<b>21G / 0.8mm</b>	30° (Standard)	2.2mm
PA603023FKRU	4K F-SONIC 23G/30°	<b>23G / 0.7mm</b>	30° (Standard)	1.8mm



# 4K PHACO ACCESSORIES

## 4K PHACO ACCESSORIES SETS



Like the I/A systems, phaco accessories are available as single-use or reusable versions. The full range of phaco tips is compatible with various systems and is made of high-grade titanium. Medical-grade silicone sleeves ensure best cooling of the phaco tip, protection of incision and stable anterior chamber during surgery, even when using high vacuum levels.

**compatible with the following phaco machines:** Bausch&Lomb, AMO, Nidek, Oertli, Ruck/Croma, Geuder, DORC

PRODUCT NAME	SIZE	AVAILABLE DEGREE	INCISION SIZE
CLASSIC	<b>19G / 1.1mm</b>	30° (Standard) / 45° / 15° / 0°	2.8mm
MICROSONIC	<b>20G / 0.9mm</b>	30° (Standard) / 45° / 15° / 0°	2.5mm
HYPERSONIC	<b>19/20G / 1.1mm</b>	30° (Standard) / 45° / 15° / 0°	2.8mm
NANO	<b>20/21G / 0.8mm</b>	30° (Standard) / 45° / 15° / 0°	2.2mm
SUBSONIC	<b>21G / 0.8mm</b>	30° (Standard) / 45° / 15° / 0°	2.2mm
COMICS-SUB2	<b>23G / 0.7mm</b>	30° (Standard) / 45° / 15° / 0°	1.8mm

**Single-use** sets (sterile) consisting of 10 titanium tips with 10 tip-wrenches / 10 infusion sleeves / 10 test chambers

CLASSIC 19G, 30°	<b>PA603500</b>	
MICROSONIC 20G, 30°	<b>PA603510</b>	
HYPERSONIC 19/20G, 30°	<b>PA603520</b>	
NANO 20/21G, 30° (flared)	<b>PA603530</b>	
SUBSONIC 21G, 30°	<b>PA603540</b>	
COMICS-SUB2 23G, 30°	<b>PA603550</b>	

**10 times multi-use** (sterile) sets consisting of 10 titanium tips with 10 autoclavable tip-wrenches and infusion sleeves

CLASSIC 19G, 30°	<b>PA603500RU</b>	
MICROSONIC 20G, 30°	<b>PA603510RU</b>	
HYPERSONIC 19/20G, 30°	<b>PA603520RU</b>	
NANO 20/21G, 30° (flared)	<b>PA603530RU</b>	
SUBSONIC 21G, 30°	<b>PA603540RU</b>	
COMICS-SUB2 23G, 30°	<b>PA603550RU</b>	

**Reusable** phaco tips (non-sterile) consisting of titanium 6 tips

CLASSIC 19G, 30°	<b>PT602500B</b>	
MICROSONIC 20G, 30°	<b>PT602510B</b>	
HYPERSONIC 19/20G, 30°	<b>PT602520B</b>	
NANO 20/21G, 30° (flared)	<b>PT602530B</b>	
SUBSONIC 21G, 30°	<b>PT602540B</b>	
COMICS-SUB2 23G, 30°	<b>PT602550B</b>	
PHACO KEY (4K / XXX)	<b>PK602401</b>	

# 5R PHACO ACCESSORIES

## 5R PHACO ACCESSORIES SETS



Like the I/A systems, phaco accessories are available as single-use or reusable versions. The full range of phaco tips is compatible with various systems and is made of high-grade titanium. Medical-grade silicone sleeves ensure best cooling of the phaco tip, protection of incision and stable anterior chamber during surgery, even when using high vacuum levels.

**compatible with the following phaco machines:** Bausch&Lomb, AMO, Nidek, Oertli, Ruck/Croma, Geuder, DORC

PRODUCT NAME	SIZE	AVAILABLE DEGREE	INCISION SIZE
CLASSIC	19G / 1.1mm	30° (Standard) / 45° / 15° / 0°	2.8mm
MICROSONIC	20G / 0.9mm	30° (Standard) / 45° / 15° / 0°	2.5mm
HYPERSONIC	19/20G / 1.1mm	30° (Standard) / 45° / 15° / 0°	2.8mm
NANO	20/21G / 0.8mm	30° (Standard) / 45° / 15° / 0°	2.2mm
SUBSONIC	21G / 0.8mm	30° (Standard) / 45° / 15° / 0°	2.2mm
COMICS-SUB2	23G / 0.7mm	30° (Standard) / 45° / 15° / 0°	1.8mm

**Single-use** sets (regular) consisting of 10 titanium tips with 10 tip-wrenches / 10 infusion sleeves / 10 test chambers

CLASSIC 19G, 30°	PA603000	
MICROSONIC 20G, 30°	PA603100	
HYPERSONIC 19/20G, 30°	PA603200	
NANO 20/21G, 30° (flared)	PA603190	
SUBSONIC 21G, 30°	PA603070	
COMICS-SUB2 23G, 30°	PA603020	

**10 times multi-use** (sterile) sets consisting of 10 titanium tips with 10 autoclavable tip-wrenches and infusion sleeves

CLASSIC 19G, 30°	PA603000RU	
MICROSONIC 20G, 30°	PA603100RU	
HYPERSONIC 19/20G, 30°	PA603200RU	
NANO 20/21G, 30° (flared)	PA603190RU	
SUBSONIC 21G, 30°	PA603070RU	
COMICS-SUB2 23G, 30°	PA603020RU	

**Reusable** phaco tips (non-sterile) consisting of titanium 6 tips

CLASSIC 19G, 30°	PT602200B	
MICROSONIC 20G, 30°	PT602210B	
HYPERSONIC 19/20G, 30°	PT602250B	
NANO 20/21G, 30° (flared)	PT602240B	
SUBSONIC 21G, 30°	PT602070B	
COMICS-SUB2 23G, 30°	PT602220B	
PHACO KEY (5R)	PK602402	

# XXK PHACO ACCESSORIES

## XXK PHACO ACCESSORIES SETS



SUBSONIC Phaco tip sets are now available in the new version suitable for Alcon Infinity® in 21G straight and curved version.

**compatible with the following phaco machines:** Alcon Infinity®, Constellation, Centurion

**Single-use** sets (sterile) consisting of 10 titanium tips with 10 tip-wrenches / 10 infusion sleeves / 10 test chambers

ITEM CODE	PRODUCT NAME	SIZE	AVAILABLE DEGREE	INCISION SIZE
PA603391	SUBSONIC 21G	21G / 0.8mm	30° (Standard), straight	2.2mm
PA603391C	SUBSONIC 21G	21G / 0.8mm	30° (Standard) , curved	2.2mm



# XXK PHACO ACCESSORIES

## XXK PHACO ACCESSORIES SETS

Like the I/A systems, phaco accessories are available as single-use or reusable versions. The full range of phaco tips is compatible with various Alcon systems and is made of high-grade titanium. Medical-grade silicone sleeves ensure best cooling of the phaco tip, protection of incision and stable anterior chamber during surgery, even when using high vacuum levels.

**compatible with the following phaco machines:** Alcon Legacy® Series 20000, Accurus®

PRODUCT NAME	SIZE	AVAILABLE DEGREE	INCISION SIZE
CLASSIC	<b>19G / 1.1mm</b>	30° (Standard) / 45° / 15° / 0°	2.8mm
MICROSONIC	<b>20G / 0.9mm</b>	30° (Standard) / 45° / 15° / 0°	2.5mm
HYPERSONIC	<b>19/20G / 1.1mm</b>	30° (Standard) / 45° / 15° / 0°	2.8mm
NANO	<b>20/21G / 0.8mm</b>	30° (Standard) / 45° / 15° / 0°	2.2mm
SUBSONIC	<b>21G / 0.8mm</b>	30° (Standard) / 45° / 15° / 0°	2.2mm

**Single-use** sets (sterile) consisting of 10 titanium tips with 10 tip-wrenches / 10 infusion sleeves / 10 test chambers

CLASSIC 19G, 30°	<b>PA603300</b>	
MICROSONIC 20G, 30°	<b>PA603310</b>	
HYPERSONIC 19/20G, 30°	<b>PA603350</b>	
NANO 20/21G, 30° (flared)	<b>PA603320</b>	
SUBSONIC 21G, 30°	<b>PA603390</b>	

**10 times reusable** sets (sterile) consisting of 10 titanium tips with 10 autoclavable tip-wrenches and infusion sleeves

CLASSIC 19G, 30°	<b>PA603300RU</b>	
MICROSONIC 20G, 30°	<b>PA603310RU</b>	
HYPERSONIC 19/20G, 30°	<b>PA603350RU</b>	
NANO 20/21G, 30° (flared)	<b>PA603320RU</b>	
SUBSONIC 21G, 30°	<b>PA603390RU</b>	

**Reusable** phaco tips (non-sterile) consisting of titanium 6 tips

CLASSIC 19G, 30°	<b>PT602300B</b>	
MICROSONIC 20G, 30°	<b>PT602310B</b>	
HYPERSONIC 19/20G, 30°	<b>PT602350B</b>	
NANO 20/21G, 30° (flared)	<b>PT602340B</b>	
SUBSONIC 21G, 30°	<b>PT602390B</b>	
PHACO KEY (XXK / 4K)	<b>PK602401</b>	

# PHACO SLEEVES

## INFUSION SLEEVES AND TEST CHAMBER

Medicel COOLFLOW infusion sleeves are made from liquid medical-grade silicone and are manufactured on high-precision moulds in-house. COOLFLOW infusion sleeves are designed to ensure maximal thermal protection to the cornea whilst maintaining a close and stable chamber.



Single-use sets (sterile) consisting of 10 infusion sleeves / 10 test chambers

ITEM CODE	PRODUCT NAME	COLOUR	SIZE	INCISION SIZE	TO BE USED WITH THE FOLLOWING PHACO TIPS
PA603901	ACCESSORIES SET 19G	BLUE	19G / 1.1mm	2.8mm	CLASSIC / HYPERSONIC
PA603902	ACCESSORIES SET 20G	WHITE	20G / 0.9mm	2.5mm	MICROSONIC / LESIEUR
PA603903	ACCESSORIES SET 21G	CLEAR	21G / 0.8mm	2.2mm	NANO / SUBSONIC
PA603904	ACCESSORIES SET 23G	ORANGE	23G / 0.7mm	1.8mm	COMICS SUB-2

Reusable phaco infusion sleeves (non-sterile) consisting of 6 infusion sleeves

ITEM CODE	PRODUCT NAME	COLOUR	SIZE	INCISION SIZE	TO BE USED WITH THE FOLLOWING PHACO TIPS
CF602300	COOLFLOW 19G	YELLOW	19G / 1.1mm	2.8mm	CLASSIC / HYPERSONIC
CF602301	COOLFLOW 19G	BLUE	19G / 1.1mm	2.8mm	CLASSIC / HYPERSONIC
CF602310	COOLFLOW 20G	WHITE	20G / 0.9mm	2.5mm	MICROSONIC / Lesieur
CF602340	COOLFLOW 21G	CLEAR	21G / 0.8mm	2.2mm	SUBSONIC
CF602350	COOLFLOW 23G	ORANGE	23G / 0.8mm	2.0mm	NANO
TC602450	TEST CHAMBER	TRANSPARENT	n/a	n/a	n/a

Reusable phaco infusion sleeves (non-sterile) consisting of 4 infusion sleeves

ITEM CODE	PRODUCT NAME	COLOUR	SIZE	INCISION SIZE	TO BE USED WITH THE FOLLOWING PHACO TIPS
CF602320	COOLFLOW 19G, rigid no-burn	YELLOW	19G / 1.1mm	2.8mm	CLASSIC / HYPERSONIC
CF602330	COOLFLOW 20G rigid no-burn	WHITE	20G / 1.1mm	2.5mm	MICROSONIC / Lesieur

# COMPATIBLES

## SINGLE-USE ULTRA-HIGHVAC XXK CASSETTE SYSTEMS, STERILE

consisting of: 1 XXK ULTRA-HIGHVAC cassette  
1 I/A tubing set  
1 Administration set (with filter)  
1 Tray support cover  
(Box of 12)



**compatible with the following phaco machines:** Alcon Legacy® Series 20000

ITEM CODE	CASSETTE SYSTEM	PHACO TIPS	PHACO SLEEVES	TEST CHAMBER	INCISION SIZE
XXK100	XXK ULTRA-HIGHVAC set	not included	not included	not included	n/a
XXK101	XXK ULTRA-HIGHVAC set	not included	19G sleeve, blue	included	2.8mm
XXK120	XXK ULTRA-HIGHVAC set	MICROSONIC 20G, 30°	20G sleeve, white	included	2.5mm

# VITREO-RETINAL

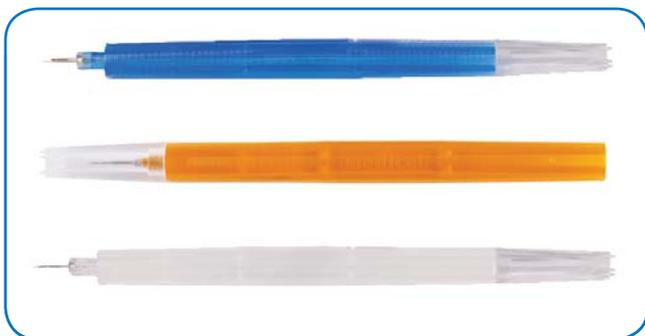
## SINGLE-USE SWISS TROCAR SYSTEMS (VALVED), STERILE

Setting new standards means putting the status quo into question. Medichel's engineers have certainly done just that. Replacing sophisticated, expensive and fragile reusable products by cost-effective high-quality single-use instruments is one of our core principals. Medichel, a pioneer in micro-incision cataract surgery has significantly contributed to the development of micro-surgical techniques.

consisting of: see below  
(Box of 5)



ITEM CODE	TECHNIQUE	DESCRIPTION	SILICONE OIL-READY
STS300	one-step	<b>23G Trocar System</b> consisting of 3 23G MVR-blade handpieces 3 scleral markers 1 23G oil-infusion terminal	✓
STS500	one-step	<b>25G Trocar System</b> consisting of 3 25G MVR-blade handpieces 3 scleral markers 1 27G oil-infusion terminal	✓
STS700	one-step	<b>27G Trocar System</b> consisting of 3 27G MVR-blade handpieces 3 scleral markers 1 27G oil-infusion terminal	✓



# DMEK INJECTORS

## SINGLE-USE DMEK INJECTOR SETS, STERILE

For safe implantation of grafts during Descemet Membrane Endothelial Keratoplasty

Medicel introduces the first CE approved injector specifically designed for the safe implantation of grafts during Descemet Membrane Endothelial Keratoplasty.

consisting of: ENDOJECT™ Injector with silicone cushion  
ENDOJECT™ Cartridge  
(Box of 1)



ITEM CODE	PRODUCT NAME	SILICONE CUSHION
EJ2200	ENDOJECT™ 2.2	Yes

According to Prof. Dr. Friedrich Kruse

consisting of: GÜELL DMEK Injector  
with integrated cartridge  
(Box of 1)



ITEM CODE	PRODUCT NAME	SILICONE CUSHION
DK2200	GÜELL DMEK 2.2	Yes

According to Dr. José Güell