

BVI Vitreoq



VITREORETINAL INSTRUMENTS



med-c

Ophthalmic Medical Device



www.med-c.com

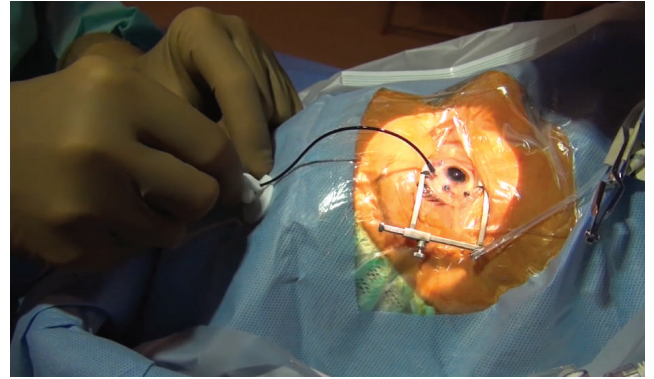
1998'den beri

Addressing Control of Light Beam Direction

29G Spotlight Directional Chandelier

Enabling Bimanual Surgery With:

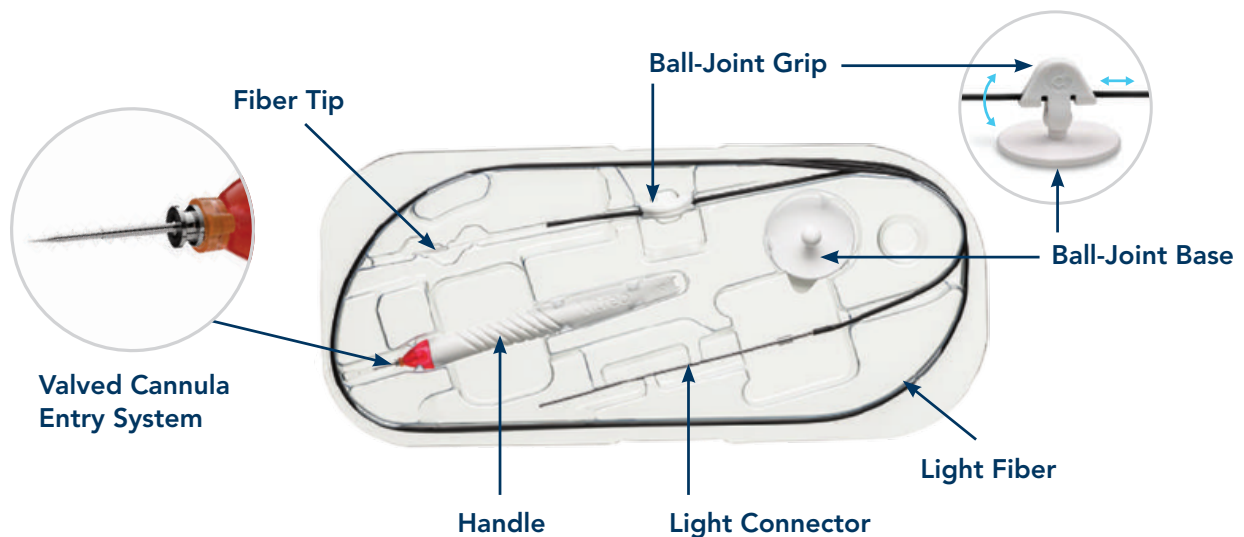
- Directional control of light-beam for enhanced visualization
- 29G valved entry system for straightforward light fiber entrance, fixation and removal
- Stationary and wide field endo-illumination



Sets new standards in light beam direction control, it delivers stationary, diffuse wide-field endo-illumination enabling bimanual surgery.



| Description | SKU # |
|---|----------|
| 29G Spotlight Directional Chandelier, Sterile | LF29.D02 |



Patent Pending

Vitreco
Vitreoretinal Surgical Products



Improved Intraocular Surgical Control and Precision in Surgical Maneuvers

Micro Forceps and Scissors

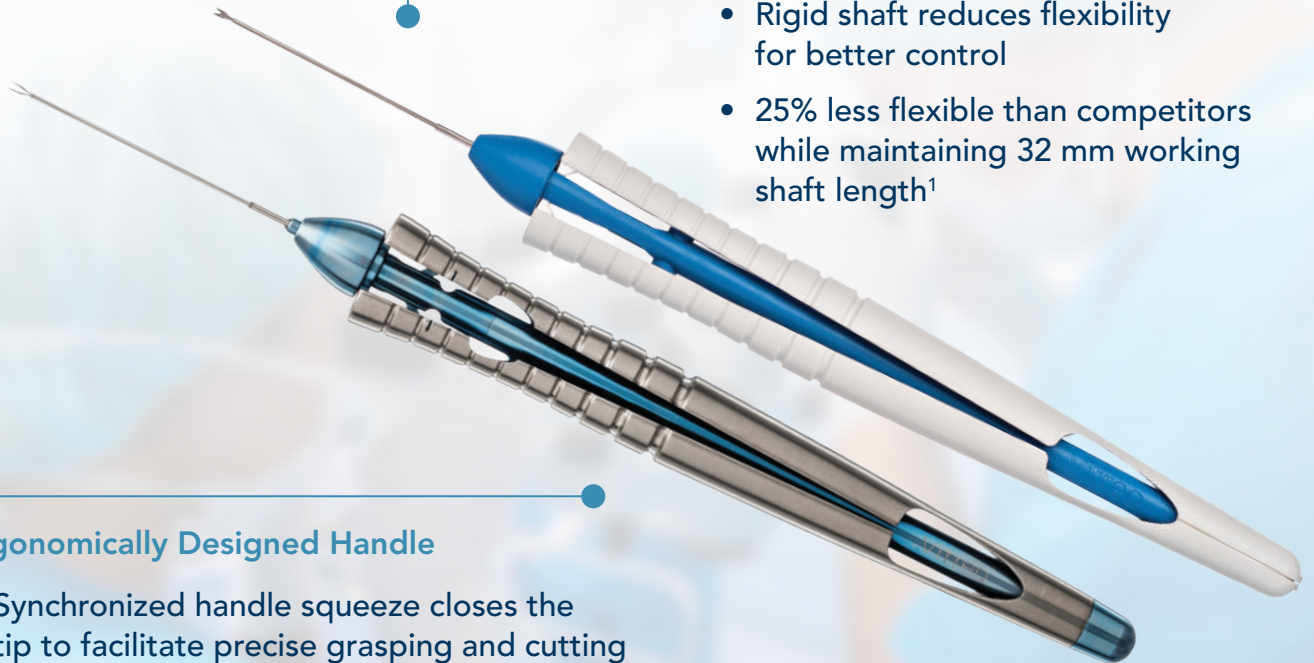


Tip Design

- Shortened tip provides stronger grasping force¹

Shaft Design

- Rigid shaft reduces flexibility for better control
- 25% less flexible than competitors while maintaining 32 mm working shaft length¹



Ergonomically Designed Handle

- Synchronized handle squeeze closes the tip to facilitate precise grasping and cutting
- Round handle allows for easy tip alignment

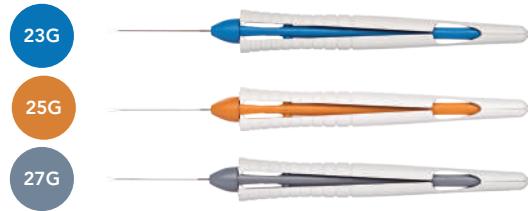
¹ Data on file

Vitreco
Vitreoretinal Surgical Products

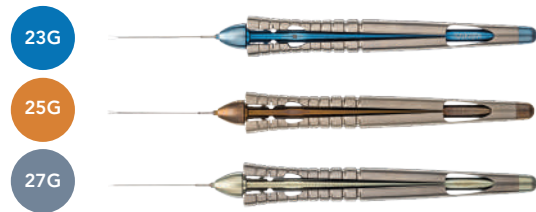
Micro Forceps

Gauge Size with Color Coding

Single-Use



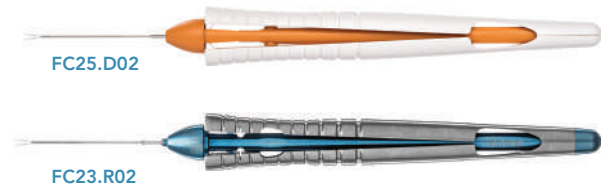
Reusable



Serrated Gripping



Serrated Gripping Micro Forceps are designed for grasping strong adherent PVR membranes.



Brand: Vitreq®

| Description | SKU # |
|------------------|----------|
| ● 23G Single-Use | FC23.D02 |
| ● 25G Single-Use | FC25.D02 |
| ● 23G Reusable | FC23.R02 |
| ● 25G Reusable | FC25.R02 |

ILM End-gripping



ILM end-gripping forceps have thin tips for ILM and ERM peeling. This improves visualization for grasping thin membranes.



Brand: Vitreq®

| Description | SKU # |
|------------------|----------|
| ● 23G Single-Use | FC23.D03 |
| ● 25G Single-Use | FC25.D03 |
| ● 27G Single-Use | FC27.D03 |
| ● 23G Reusable | FC23.R03 |
| ● 25G Reusable | FC25.R03 |
| ● 27G Reusable | FC27.R03 |

Asymmetrical Gripping



Asymmetrical tips allow visualization at grasping area and interior end-gripping platforms are designed for assured grasping. The tip design targets ILM, fine epiretinal membranes and diabetic PVR membranes.



Brand: Vitreq®

| Description | SKU # |
|------------------|----------|
| ● 23G Single-Use | FC23.D04 |
| ● 25G Single-Use | FC25.D04 |
| ● 23G Reusable | FC23.R04 |
| ● 25G Reusable | FC25.R04 |

Micro Forceps

Eckardt Endgripping

Eckardt forceps with wider tip enhances surface grasping and reduces tearing effect. Shorter tip branches enhance grasping and holding power. Designed for ILM, ERM peeling and general peeling of vitreous membranes which needs end-gripping action.



Brand: Vitreco®

| Description | SKU # |
|------------------|----------|
| ● 23G Single-Use | FC23.D05 |
| ● 25G Single-Use | FC25.D05 |
| ● 27G Single-Use | FC27.D05 |
| ● 23G Reusable | FC23.R05 |
| ● 25G Reusable | FC25.R05 |
| ● 27G Reusable | FC27.R05 |

Shah X-tra Grip*

Fine tipped forceps with serrated jaws platform for maximum grasping of the tissue. Effective for all types of tissue manipulation, ILM, ERM, PVR and diabetic tissue.



Brand: Vitreco®

| Description | SKU # |
|------------------|----------|
| ● 23G Single-Use | FC23.D07 |
| ● 25G Single-Use | FC25.D07 |
| ● 27G Single-Use | FC27.D07 |
| ● 23G Reusable | FC23.R07 |
| ● 25G Reusable | FC25.R07 |
| ● 27G Reusable | FC27.R07 |

Kuhn 45° Power Gripping*

Kuhn 45 Degree Power Gripping forceps are designed for peeling proliferative intravitreal, epi and sub-retinal membranes, lens capsule, iris, small IOFB, fibrinous membranes, as well as ILM and ERM membranes and posterior hyaloids. With a 45 degree crocodile design inner surface, this design enables selective, strong grasping, and visibility of the target tissue.



Brand: Vitreco®

| Description | SKU # |
|------------------|----------|
| ● 23G Single-Use | FC23.D06 |
| ● 25G Single-Use | FC25.D06 |
| ● 23G Reusable | FC23.R06 |
| ● 25G Reusable | FC25.R06 |

*Patent Pending

Micro Scissors

Vertical

Sharp-tipped vertical cutting scissors for cutting perpendicular to the retina.



Brand: Vitreq®

| Description | SKU # |
|------------------|----------|
| ● 23G Single-Use | SC23.D01 |
| ● 25G Single-Use | SC25.D01 |
| ● 27G Single-Use | SC27.D01 |
| ● 23G Reusable | SC23.R01 |
| ● 25G Reusable | SC25.R01 |
| ● 27G Reusable | SC27.R01 |

Straight

Sharp-tipped straight cutting scissors for cutting in the iris plane and cutting peripheral membranes.



Brand: Vitreq®

| Description | SKU # |
|------------------|----------|
| ● 23G Single-Use | SC23.D02 |
| ● 25G Single-Use | SC25.D02 |
| ● 23G Reusable | SC23.R02 |
| ● 25G Reusable | SC25.R02 |

Horizontal Curved

Sharp-tipped horizontal curved cutting scissors for cutting membranes adherent to the retinal surface. The tip's curvature of 12mm follows the contour of the retina for improved safety.



Brand: Vitreq®

| Description | SKU # |
|------------------|----------|
| ● 23G Single-Use | SC23.D03 |
| ● 25G Single-Use | SC25.D03 |
| ● 27G Single-Use | SC27.D03 |
| ● 23G Reusable | SC23.R03 |
| ● 25G Reusable | SC25.R03 |
| ● 27G Reusable | SC27.R03 |

Reusable Cleaning Adapter

Unique cleaning/sterilization adapter included with every reusable instrument.



Brand: Vitreq®

| Description | SKU # |
|---------------------------|----------|
| Reusable Cleaning Adapter | FC00.R03 |

90° Directional Laser Probes

A New Vision on Flexibility

- 90° curved extendable tip for easy access to peripheral retina
- Hardened metal shaft reduces flexibility by 25%¹
- Retractable mechanism improves control of instrument tip and reduces risk of accidental removal of cannula
- Available in standard (23G, 25G and 27G) and illuminated (23G and 25G) color coded for easy gauge identification
- Compatible with all major equipment

Standard Directional

Illuminated Directional

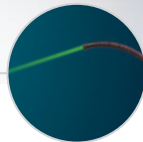


90° Extended Curved Tip

Vitreoretinal Surgical Products

90° Directional Laser Probes Designed For Improved Surgical Control. The ergonomic handle was designed for improved intraocular surgical control and the sliding knob to control the motion of the instrument tip.

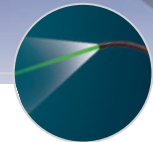
Standard Directional*



Brand: Vitreq®

| Description | SKU # |
|---------------------------------------|----------|
| ● 23G Compatible with Alcon® | LP23.A04 |
| ● 23G Compatible with DORC® | LP23.D04 |
| ● 23G Compatible with Iridex® and B&L | LP23.I04 |
| ● 25G Compatible with Alcon® | LP25.A04 |
| ● 25G Compatible with DORC® | LP25.D04 |
| ● 25G Compatible with Iridex® and B&L | LP25.I04 |
| ● 27G Compatible with Alcon® | LP27.A04 |
| ● 27G Compatible with DORC® | LP27.D04 |
| ● 27G Compatible with Iridex® and B&L | LP27.I04 |

Illuminated Directional*



Brand: Vitreq®

| Description | SKU # |
|---------------------------------------|----------|
| ● 23G Compatible with Alcon® | LP23.A05 |
| ● 23G Compatible with DORC® | LP23.D05 |
| ● 23G Compatible with Iridex® and B&L | LP23.I05 |
| ● 25G Compatible with Alcon® | LP25.A05 |
| ● 25G Compatible with DORC® | LP25.D05 |
| ● 25G Compatible with Iridex® and B&L | LP25.I05 |

* All product names, trademarks and registered trademarks are property of their respective owners.

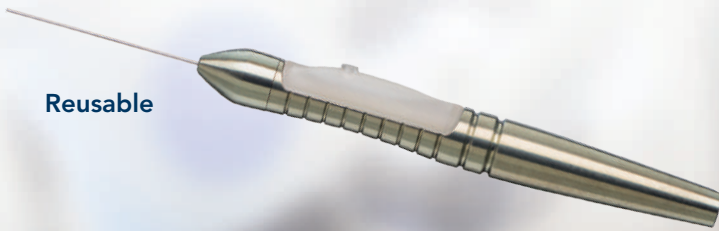


BVI

Backflush Instruments

Atraumatic Aspiration and Brushing Procedures
Thanks to Improved Intraocular Surgical Control

- Passive and active aspiration control in one instrument
- High volume backflush reservoir for increased capacity during vitreoretinal surgery
- Long shaft (33 mm) makes them suitable also for myopic eyes
- Blunt tip and silicone brush needles for atraumatic aspiration and brushing of retinal surface



Reusable



33 mm

Single-Use

Disposable Backflush Instruments

Disposable backflush instruments are available in three different styles.

Standard

Blunt or brush tip



Blunt tip



Brush tip

Retractable

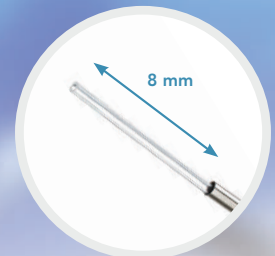
Silicone brush retracts into the instrument shaft for smooth and safe valved cannula entry



0.7 mm

Extendable

8 mm extendable silicone tip for draining fluid from behind retina and other standard backflush procedures



8 mm

Vitreco

Vitreoretinal Surgical Products

Backflush Options

All single-use products are provided Sterile and Ready-for-Use.

Standard



BF23.D02

Brand: Vitreq®

| Description | SKU # |
|----------------------------------|----------|
| ● 23G Blunt backflush instrument | BF23.D01 |
| ● 23G Brush backflush instrument | BF23.D02 |
| ● 25G Blunt backflush instrument | BF25.D01 |
| ● 25G Brush backflush instrument | BF25.D02 |
| ● 27G Blunt backflush instrument | BF27.D01 |
| ● 27G Brush backflush instrument | BF27.D02 |

Retractable



BF23.D05

Brand: Vitreq®

| Description | SKU # |
|---------------------------------------|----------|
| ● 23G Retractable brush BF-instrument | BF23.D05 |
| ● 25G Retractable brush BF-instrument | BF25.D05 |

Extendable



BF23.D07

Brand: Vitreq®

| Description | SKU # |
|--|----------|
| ● 23G Extendable silicone tipped BF-instrument | BF23.D07 |
| ● 25G Extendable silicone tipped BF-instrument | BF25.D07 |



Reusable Backflush Instruments

Featuring an ergonomically designed handle, rigid shaft and high volume backflush reservoir for increased backflush capacity, with Passive and Active Aspiration.

Universal Backflush Instrument



Brand: Vitreq®

| Description | SKU # |
|--------------------------------|----------|
| Universal Backflush Instrument | BF00.R01 |

Backflush Instrument with Luer-lock Connector

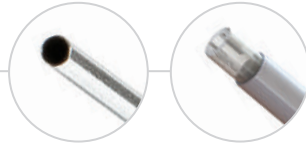


Brand: Vitreq®

| Description | SKU # |
|--------------------------------|----------|
| Universal Backflush Instrument | BF00.R02 |

Backflush Consumables

Disposable Universal Backflush Needles



BF23.D51

Brand: Vitreq®

| Description | SKU # |
|------------------------|----------|
| ● 23G BF Blunt needles | BF23.D51 |
| ● 23G BF Brush needles | BF23.D52 |
| ● 25G BF Blunt needles | BF25.D51 |
| ● 25G BF Brush needles | BF25.D52 |

Blunt Needles with Luer-Lock

Stainless steel cannula with blunt tip for aspiration or injection with syringe or tubing.



CN23.D05

Brand: Vitreq®

| Description | SKU # |
|---|----------|
| ● 23G Blunt needle with luer-lock connector | CN23.D05 |
| ● 25G Blunt needle with luer-lock connector | CN25.D05 |
| ● 27G Blunt needle with luer-lock connector | CN27.D05 |

Backflush Reservoirs



Passive Reservoir
BF00.D51



Active Reservoir
BF00.D52

Brand: Vitreq®

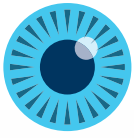
| Description | SKU # |
|-------------------------------|----------|
| Backflush reservoirs, Passive | BF00.D51 |
| Backflush reservoirs, Active | BF00.D52 |

Disposable Tubing for Active Aspiration



Brand: Vitreq®

| Description | SKU # |
|---|----------|
| Disposable tubing for active aspiration | BF00.D53 |



BVI

Light Fibers

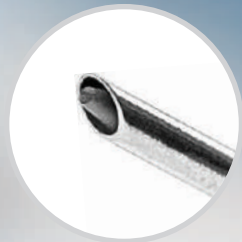
A Bright Vision on Illumination



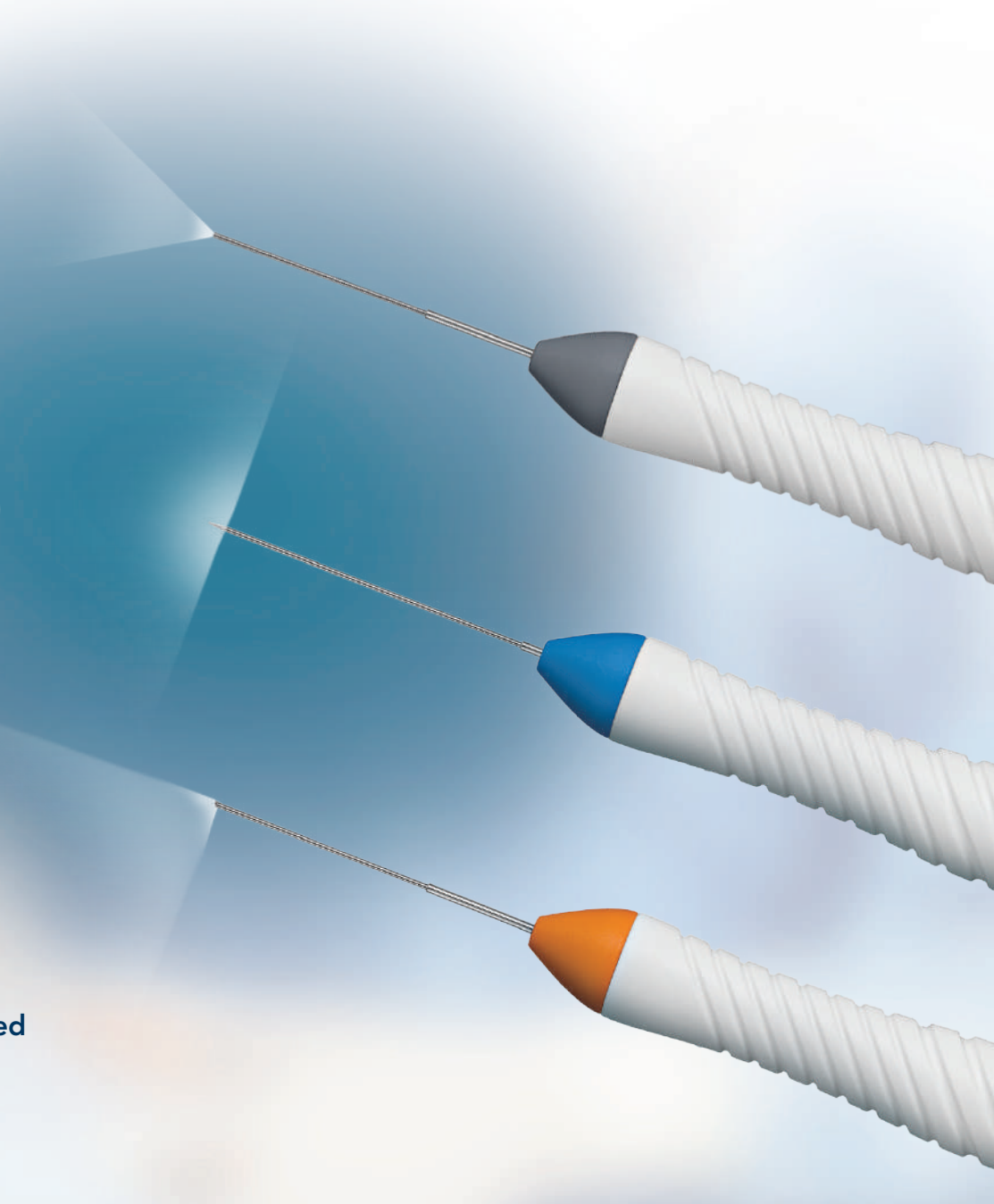
Standard
Light Fibers



Wide View
Light Fibers



45 Degree Shielded
Light Fibers



Vitreco

Vitreoretinal Surgical Products

Light Fibers

Light Fibers featuring high-end specifications with consistent quality performance for ophthalmic endo-illumination procedures.

Standard Light Fibers



LF23.D01

Brand: Vitreq®

| Description | SKU # |
|-----------------------------|----------|
| ● 23G Standard light fibers | LF23.D01 |
| ● 25G Standard light fibers | LF25.D01 |
| ● 27G Standard light fibers | LF27.D01 |

45 Degree Shielded Light Fibers



LF27.D03

Brand: Vitreq®

| Description | SKU # |
|---------------------------------------|----------|
| ● 23G 45 Degree shielded light fibers | LF23.D03 |
| ● 25G 45 Degree shielded light fibers | LF25.D03 |
| ● 27G 45 Degree shielded light fibers | LF27.D03 |

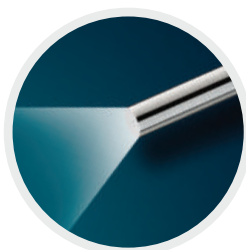
Wide View Light Fibers



LF25.D02

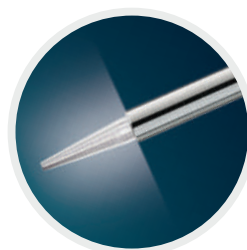
Brand: Vitreq®

| Description | SKU # |
|------------------------------|----------|
| ● 23G Wide view light fibers | LF23.D02 |
| ● 25G Wide view light fibers | LF25.D02 |
| ● 27G Wide view light fibers | LF27.D02 |



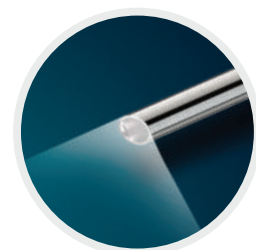
Standard Light Fibers

Straight tip for focal endo-illumination.



Wide View Light Fibers

Wide view tip for global endo-illumination.



45 Degree Shielded Light Fibers

45 Degree shielded wide view tip for shielded endo-illumination.

Vitreoretinal Consumables

Disposable Vitrectomy Lenses

Comprised of optically crystal-clear PMMA, vitrectomy lenses have a high refraction index creating excellent intraocular visualization. A highly stable position on the eye can be achieved thanks to a flexible TPE ring, molded with four haptics surrounding. A complete range of lenses providing specific enhanced visualization in the posterior of the eye.

Flat Style

FOV of the central posterior pole and vitreous in phakic and pseudophakic eyes



Wide Field Style

Better FOV when visualizing central posterior pole and central vitreous in phakic and pseudophakic eyes



| Description | SKU # |
|----------------------------|----------|
| Vitrectomy lens flat style | VL00.D01 |

| Description | SKU # |
|---------------------------------|----------|
| Vitrectomy lens wide view style | VL00.D04 |

Biconcave Style

Better view of fundus in air-filled vitreous cavity in phakic and pseudophakic eyes



30° Prism Style

Clearer view of posterior peripheral fundus/vitreous beyond equator in phakic, aphakic and pseudophakic eyes



| Description | SKU # |
|---------------------------------|----------|
| Vitrectomy lens biconcave style | VL00.D02 |

| Description | SKU # |
|---------------------------------|----------|
| Vitrectomy lens 30° prism style | VL00.D05 |

Magnifying Style

For detailed examination/intricate manipulation of retinal membranes in phakic and pseudo-phakic eyes



| Description | SKU # |
|----------------------------------|----------|
| Vitrectomy lens magnifying style | VL00.D03 |

Vitreoretinal Cannulas and Needles

New disposable vitreoretinal cannulas and needles include innovative design features to optimize difficult surgical maneuvers. The products offer the VR surgeon optimal control over some of the most challenging VR procedures, to enhance their safety and success rate. For example, the range includes PFC needles that facilitate injection with minimized pressing force and have a central bore that enables a high volume of heavy liquids to enter the eye at a minimal velocity.

VFI Cannula

Silicone oil injection and removal through entry system. High flow rates due to thin walls. Can be directly connected to the silicone oil syringe or to aspiration device.



CN23.D03

Brand: Vitreco®

| Description | SKU # |
|-------------------|----------|
| ● 23G VFI cannula | CN23.D03 |
| ● 25G VFI cannula | CN25.D03 |
| ● 27G VFI cannula | CN27.D03 |

Silicone Tip Cannula

Stainless steel cannula with 2 mm silicone tip for aspiration and manipulation.



CN25.D01

Brand: Vitreco®

| Description | SKU # |
|-------------------------------|----------|
| ● 23G Silicone tipped cannula | CN23.D01 |
| ● 25G Silicone tipped cannula | CN25.D01 |

Subretinal Fluid Cannula (Grizzard)

Straight. Sleeve extends 6 mm beyond end.



585021

Brand: Visitec®

| Description | SKU # |
|---------------|--------|
| ● 20G, 0.9 mm | 585021 |

High Viscosity Injector (Hammer)

Thinwall cannula.



585173

Brand: Visitec®

| Description | SKU # |
|----------------------------------|--------|
| ● 20G (0.9 mm), 4 mm, 10 cm Tube | 585173 |
| ● 20G (0.9 mm), 4 mm, 16 cm Tube | 585208 |

Vitreoretinal Cannula

Attaches to handpiece or syringe with luer fitting. Can also be used to aspirate or inject silicone oil.



585205

Brand: Visitec®

| Description | SKU # |
|-------------------------------|--------|
| ● 20G x 1-1/8 in, 0.9 x 28 mm | 585205 |

Soft Tip Cannula

Soft Tip cannulas have flexible, high-flow silicone tips, allowing gentle access to the retina. They are ideal for aspiration of fluid from on or beneath the surface of the retina.



587002

Brand: Visitec®

| Description | SKU # |
|---|--------|
| ● 23G x 1-1/3 in, 0.6 x 33 mm, 0.3 mm tip | 585226 |
| ● 25G x 1-1/3 in, 0.5 x 33 mm, 0.3 mm tip | 585229 |
| ● 23G x 1-1/3 in, 0.6 x 33 mm, 0.8 mm tip | 587002 |
| ● 25G x 1-1/3 in, 0.5 x 33 mm, 0.8 mm tip | 587003 |

Vitreoretinal Cannulas and Needles

PFC Injection Needles

New, optimized, PFC injection needle facilitates injection with minimized pressing force. The central bore permits a high volume of heavy liquid to enter the eye at a minimal velocity under controlled conditions.



MD23.D01

| Description | SKU # |
|----------------------------|----------|
| ● 23G PFC injection needle | MD23.D01 |
| ● 25G PFC injection needle | MD25.D01 |

Disposable Universal Backflush Needles



BF23.D51

| Description | SKU # |
|------------------------|----------|
| ● 23G BF Blunt needles | BF23.D51 |
| ● 23G BF Brush needles | BF23.D52 |
| ● 25G BF Blunt needles | BF25.D51 |
| ● 25G BF Brush needles | BF25.D52 |

Pick Needles

Stainless steel cannula with pick tip. Can be connected to a syringe or other handpiece.



CN25.D04

| Description | SKU # |
|-------------------|----------|
| ● 23G Pick needle | CN23.D04 |
| ● 25G Pick needle | CN25.D04 |

Blunt Needles with Luer-Lock

Stainless steel cannula with blunt tip for aspiration or injection with syringe or tubing.



CN23.D05

| Description | SKU # |
|---|----------|
| ● 23G Blunt needle with luer-lock connector | CN23.D05 |
| ● 25G Blunt needle with luer-lock connector | CN25.D05 |
| ● 27G Blunt needle with luer-lock connector | CN27.D05 |

Retractable Tissue Manipulators

INDICATIONS FOR USE

The tissue manipulator can be used in cases of retinal disorders to manipulate the retina and retinal folds.

FEATURES

- Retractable silicone tip with special ribbed structure
- The green colored silicone tip allows for a clear differentiation to the red retinal surface



Tips

Available in 23G and 25G. Disposable and ready to use.



TM23.D01

| Description | SKU # |
|--------------------------------------|----------|
| ● 23G Retractable tissue manipulator | TM23.D01 |
| ● 25G Retractable tissue manipulator | TM25.D01 |

Squeezers

Dye Squeezers



| Description | SKU # |
|-------------------------|----------|
| 2 ml reservoir, Sterile | SQ00.D01 |

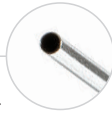
PFC Squeezers



| Description | SKU # |
|-------------------------|----------|
| 5 ml reservoir, Sterile | SQ00.D02 |

Blunt Needles with Luer-Lock

Stainless steel cannula with blunt tip for aspiration or injection with syringe or tubing.



CN23.D05

| Description | SKU # |
|---|----------|
| ● 23G Blunt needle with luer-lock connector | CN23.D05 |
| ● 25G Blunt needle with luer-lock connector | CN25.D05 |
| ● 27G Blunt needle with luer-lock connector | CN27.D05 |

Unique pencil style injection device that affords surgeons precise control for injecting stains and perfluorocarbon liquids.

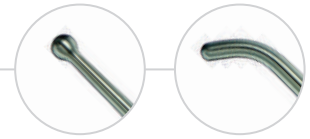
The 'Squeezer' gives surgeons perfect control for injecting stains and perfluorocarbon liquids using a single-handed technique. The Squeezer injection grip is the same as the familiar and safe pencil grip that is used in working with forceps, backflush- and other surgical instruments, as well as redundant syringe assisted injection with potential uncontrolled injection risks.

Using the Squeezer, surgeons can control the start and speed of injection, as well as the amount of liquid dispensed to avoid overfill and a jet stream effect. The surgeon can easily guide the needle of the Squeezer through the entry system, get close to the retina, and precisely stain only the target tissue with complete control over the injection speed.

The new Squeezer has been developed in collaboration with Prof. Claus Eckardt.

Williamson Scleral Depressor

The Williamson scleral depressor is specially designed to be used for VR-surgery in combination with small gauge entry and BIOM systems. First scleral indenter specially designed to use in combination with entry systems with particular attention to sizing and angulation of the indenting surfaces.



| Description | SKU # |
|-----------------------------------|----------|
| 3 mm Ball tip, 45 Degree bent tip | VS00.R02 |

Light Source Adaptors

The Light Fibers are compatible with most endo-illumination systems in combination with Light Source Adaptors*.

Constellation® Light Source Adaptor



| Description | SKU # |
|-------------------------------------|----------|
| Constellation® Light Source Adaptor | LF00.R01 |

Ruck® Light Source Adaptor



| Description | SKU # |
|----------------------------|----------|
| Ruck® Light Source Adaptor | LF00.R04 |

Geuder® Light Source Adaptor



| Description | SKU # |
|------------------------------|----------|
| Geuder® Light Source Adaptor | LF00.R03 |

Stellaris® Light Source Adaptor



| Description | SKU # |
|---------------------------------|----------|
| Stellaris® Light Source Adaptor | LF00.R02 |

DORC® Light Source Adaptor



| Description | SKU # |
|----------------------------|----------|
| DORC® Light Source Adaptor | LF00.R05 |