

A collection of various medical instruments, including syringes, catheters, and probes, are arranged on a blue tray. The instruments are primarily clear and white, with some green and orange accents. The background is a solid blue color.

TRUSTED SOLUTIONS IN RETINA INNOVATION

Product Catalog

 **MedOne®**

Browse Our Products

04 Soft Tip Cannulas

Designed for control, flexibility, and safety—our soft tip cannulas provide gentle access for drainage and manipulation, even in the most delicate retinal procedures.

06 Dual Bore Cannulas

Simultaneously inject surgical liquids and allow passive BSS egress, managing intraocular pressure.

07 Cannulas

Reliable, high-flow performance for injection, aspiration, and infusion. Built for versatility and trusted for everyday use in the OR.

08 Subretinal

Engineered for delicate access beneath the retina, these cannulas deliver targeted performance for precise fluid control in complex cases.

11 MicroDose™

Setting the standard for precision and control during subretinal injections.

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Designed for smooth, efficient delivery and removal of viscous fluids, with reliable performance under pressure—every time.

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Designed for precision and control, these tools support delicate maneuvers and clean incisions—helping you work with confidence.

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Combining control and versatility, instruments designed for efficient aspiration and fluid management throughout the procedure.

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A selection of versatile tools designed to support specialized techniques and enhance flexibility across a range of retinal procedures.

Introduction



**DELICATE
PROCEDURES
DEMAND
PRECISION**

MedOne products deliver.

Every MedOne product is purposefully engineered to support excellent patient care. Manufactured according to rigorous quality standards, you can rely on MedOne products in demanding cases. Backed by a global distribution network, we have exactly what you're looking for.

Choose MedOne, and experience the difference in every case.

Not all products are available in all markets. Check with your distributor.



Scan the code
or visit **MedOne.com**

Soft Tip Cannulas

FlexTip™ Cannulas have soft, high flow silicone tips, allowing gentle access to the retina for drainage from the surface or subretinal space. XL cannulas have a 36mm shaft length for deeper access in long eyes. Luer lock hub allows secure connection.



Extendable FlexTip™ Cannula

Extendable FlexTip™ Cannulas have soft, flexible tips that can be fully retracted for easy passage through valved entry cannulas. Tip can be extended up to 7mm in length. Sliding silicone reservoir allows reflux even when fully extended. Removable cap allows use with active or passive aspiration. This product is ideal for subretinal drainage, especially in cases with fluid in the periphery near a tear or break.

3299 Extendable FlexTip™ Cannula 23g

3298 Extendable FlexTip™ Cannula 25g



Extendable FlexTip™ Brush

Extendable FlexTip™ Brush has a soft, silicone tip that can be fully retracted for easy passage through valved entry cannulas, then extended up to 1.5mm in length. Removable cap allows use with active or passive aspiration.

3508 Extendable FlexTip™ Brush 25g



Soft Tip Cannulas



FlexTip™ Cannula

- 3252** FlexTip™ Cannula 23g (0.75mm)
23g x 32mm cannula with 0.75mm tip
- 3230** FlexTip™ Cannula 23g (1mm)
23g x 32mm cannula with 1mm tip
- 3231** FlexTip™ Cannula 23g (3mm)
23g x 32mm cannula with 3mm tip

- 3251** FlexTip™ Cannula 25g (0.75mm)
25g x 32mm cannula with 0.75mm tip
- 3221** FlexTip™ Cannula 25g (1mm)
25g x 32mm cannula with 1mm tip
- 3220** FlexTip™ Cannula 25g (3mm)
25g x 32mm cannula with 3mm tip
- 3260** FlexTip™ Cannula 27g (0.75mm)
27g x 32mm cannula with 0.75mm tip
- 3258** FlexTip™ Cannula 27g (1mm)
27g x 32mm cannula with 1mm tip

XL FlexTip™ Cannula

- 3209** FlexTip™ Cannula XL 23g
(3mm) 23g x 36mm cannula with 3mm tip
- 3210** FlexTip™ Cannula XL 25g (3mm)
25g x 36mm cannula with 3mm tip

FlexTip™ Brush

FlexTip™ Brush cannulas have soft, silicone tips that allows gentle brushing and manipulation of the retina. Excellent for removal of blood from the retina surface.

- 3232** FlexTip™ Brush 23g
23g x 32mm cannula with 0.75mm brush tip
- 3222** FlexTip™ Brush 25g
25g x 32mm cannula with 0.75mm brush tip
- 3264** FlexTip™ Brush 27g
27g x 32mm cannula with 0.75mm brush tip

Short 0.75mm FlexTip™ allows easy passage through valved trocar cannulas.

Dual Bore Cannulas

Dual Bore Cannulas utilize a coaxial lumen system to inject fluid such as perfluorocarbon (PFCL) or staining dye, while allowing simultaneous passive egress of BSS to relieve pressure. This enables easy use of surgical liquids while managing intraocular pressure. Unique hub design reduces bubbles during injection.

Dual Bore Cannula

The original Dual Bore design uses a longer central cannula for injection with a single vent port near the hub.

3239 Dual Bore Cannula 23g

3240 Dual Bore Cannula 25g



DualBore SideFlō® Cannula

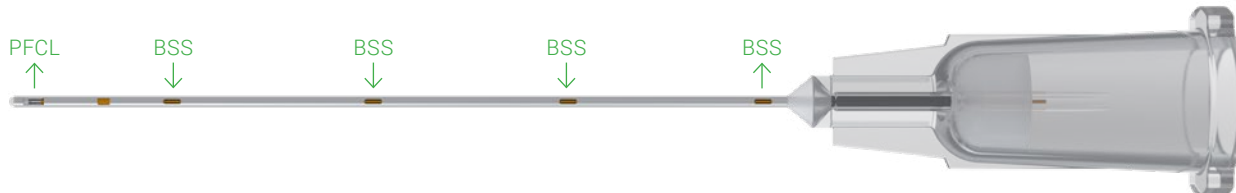
SideFlō® cannulas offer increased safety by using a side port for injection of fluids, reducing the chance of retina injury due to a fluid jet stream. Multiple egress vents offer double the outflow compared to the original design. All metal exterior enables easy passage through valved entry cannulas.

3423 DualBore SideFlō® Cannula 23g

3425 DualBore SideFlō® Cannula 25g

3427 DualBore SideFlō® Cannula 27g

Patent #9937300



Cannulas

Blunt, thin wall cannulas for general injection or aspiration.
XL cannulas have a 36mm shaft length for deeper access
in long eyes. Luer lock hub allows secure connection.



Cannula

- 3234** Cannula 23g
23g x 32mm
- 3225** Cannula 25g
25g x 32mm
- 3257** Cannula 27g
27g x 32mm



XL Cannula

- 3206** Cannula XL 23g
23g x 36mm
- 3207** Cannula XL 25g
25g x 36mm



Infusion Cannula

Thin-walled 20g Infusion Cannulas achieve maximum flow rate during infusion of fluid or gas. Smooth, beveled tip (available in 4mm or 6mm lengths) allows easy insertion through sclerotomy. Green suture flange offers enhanced visibility. Luer lock hub enables easy, secure connection to the infusion line.

- 3202** Infusion Cannula 20g (4mm)
25cm (10in) silicone tube with 4mm tip
- 3203** Infusion Cannula 20g (6mm)
25cm (10in) silicone tube with 6mm tip



Subretinal

The 38g PolyTip® and PolyVent™ Cannulas are rigid enough to penetrate the retina, eliminating the need to create a separate retinotomy. These products are ideal for subretinal injection. They can also be used for low volume fluid drainage, such as draining subretinal PFCL. Green tip allows excellent visualization during use.



Extendable PolyTip® Cannula

Extendable PolyTip® Cannulas feature a 38g tip that can be fully retracted for easy passage through a valved entry cannula, then extended up to 5mm in length. Priming volume is approximately 0.2mL.

3248

Extendable PolyTip® Cannula 23g/38g
23g x 32mm cannula with 38g (0.12mm) tip

3247

Extendable PolyTip® Cannula 25g/38g
25g x 32mm cannula with 38g (0.12mm) tip



Extendable PolyVent™ Cannula

Extendable PolyVent™ Cannulas allow injection of fluid with simultaneous venting of BSS, minimizing pressure on the bleb during subretinal injections. The tip can be fully retracted, enabling easy entry through valved cannulas. Green tip allows excellent visualization during use. Small bore infusion line reduces dead space to 0.1mL, minimizing fluid waste.

3308

Extendable PolyVent™ Cannula 23g/38g
23g x 32mm cannula with 38g (0.12mm) green tip

3307

Extendable PolyVent™ Cannula 25g/38g
25g x 32mm cannula with 38g (0.12mm) green tip



Subretinal



PolyTip® Cannula

3254 PolyTip® Cannula 23g/38g
23g x 28mm cannula with
38g (0.12mm) x 2mm green tip

3233 PolyTip® Cannula 23g/38g
23g x 28mm cannula with
38g (0.12mm) x 5mm tip

3255 PolyTip® Cannula 25g/38g
25g x 28mm cannula with
38g (0.12mm) x 2mm green tip

3219 PolyTip® Cannula 25g/38g
25g x 28mm cannula with
38g (0.12mm) x 5mm tip

3256 PolyTip® Cannula 27g/38g
27g x 32mm cannula with
38g (0.12mm) x 2mm green tip

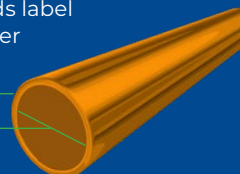
3259 PolyTip® Cannula 27g/38g
27g x 32mm cannula with
38g (0.12mm) x 5mm tip

3319 PolyTip® Cannula 25g/38g Set
Includes 3219 PolyTip® Cannula 25g/38g
and 3243 High Pressure Extension Tube

MedOne subretinal cannulas are labeled based on the 38-gauge tip, the outside diameter. Other brands label the same size tip as 41-gauge, the inside diameter

Outer Diameter: 38g

Inner Diameter: 41g



PolyVent™ Cannula

PolyVent™ cannulas allow injection of fluid with simultaneous venting of BSS, minimizing pressure on the bleb during subretinal injections.

3306 PolyVent™ Cannula 23g/38g
23g x 32mm cannula with
38g (0.12mm) x 5mm green tip

3305 PolyVent™ Cannula 25g/38g
25g x 32mm cannula with
38g (0.12mm) x 5mm green tip

All MedOne subretinal cannulas are 100% flow tested to ensure reliable performance.

Subretinal



MicroTip Beveled Cannula

The Micro Cannula has a 40g (0.10mm diameter) beveled tip. Metal cannula with beveled tip allows easy penetration through the retina for subretinal injection. Slight curve at tip allows great visibility of tip and easier approach angle for entry into subretinal space. Compatible with 25g entry cannulas.

3261

MicroTip Beveled Cannula 25g/40g
25g x 28mm cannula with
40g (0.10mm) x 5mm tip



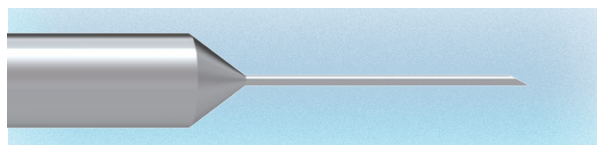
Nano Cannula

The Nano Cannula features an all-metal, 48g beveled tip for use in subretinal procedures, providing sufficient stiffness and visibility to facilitate entry in the subretinal space or delicate structures. Compatible with 25g entry cannulas.

Developed in cooperation with
Kazuaki Kadonosono, MD, Yokohama, Japan

3263

Nano Cannula 25g/48g
25g x 28mm cannula tapers to
48g (0.06mm) tip



Tapered PolyTip® Cannula

Tapered PolyTip® Cannulas utilize an extremely thin-walled, semi-flexible tip, allowing maximum flow rate in a small diameter cannula. Luer lock hub enables a quick, secure connection to a syringe, extension tube, or infusion line.

3218

PolyTip® Cannula 25g/31g
25g x 28mm cannula with 31g x 5mm tip
Can be used for endo-drainage.

3262

PolyTip® Cannula 25g/33g
25g x 28mm cannula with 33g x 2mm tip
Can penetrate the retina allowing drainage of SRF. Thin-wall tip has excellent flow rate with minimally traumatic retinotomy. Green tip allows excellent visualization.

Developed in cooperation with
Philip J. Ferrone, MD, Long Island
Vitreoretinal Consultants

MicroDose™

MicroDose™ Injection Kit

The MicroDose™ Injection Kit can be connected to the Viscous Fluid Injection (VFI) module of the vitrectomy system. This allows full surgeon control of the subretinal injection via console foot pedal, enabling a high level of precision and control during the injection. Secure luer lock connection to any of our subretinal cannulas. One mL fluid capacity. Included tubing set can connect to Constellation®, Stellaris® and EVA® vitrectomy systems.

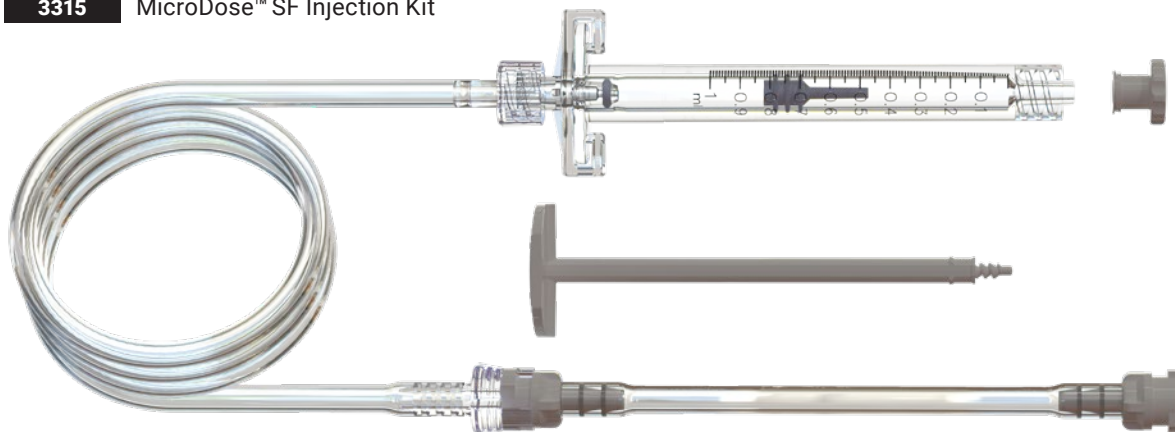
Developed in cooperation with David M. Brown, MD, Houston, TX USA

3275 MicroDose™ Injection Kit

MicroDose™ SF Injection Kit

The MicroDose™ SF Injection Kit offers several critical features not available on our 3275 MicroDose™. These include a silicone-free syringe to eliminate the risk of silicone droplets being introduced into the eye and a unique stopper designed to reduce dead-space to approximately 10 micro-liters. White print gradient marks offer enhanced readability. The syringe comes with a removable plunger rod, allowing manual filling of the syringe followed by pneumatic injection. Includes syringe cap for safe handling between loading and use.

3315 MicroDose™ SF Injection Kit



Silicone Oil Cannulas



Oil Removal Cannula

Innovative Oil Removal Cannula enables removal of oil through a sutureless incision. Simply place the trocar cannula using standard technique. Then push the included silicone tube onto the specially-shaped port cannula and aspirate the oil using a standard syringe or pump system. Supplied cap can be used to help maintain IOP after removal of oil. System includes handle, trocar cannula, adapter tubing, and cap.

Developed in cooperation with Ziya Kapran, MD, Istanbul, Turkey

3300 Oil Removal Cannula 23g



VFI Cannula

VFI Cannulas utilize an extremely thin-walled 2mm cannula, allowing injection of viscous fluids such as silicone oil through an entry cannula. Luer lock hub enables an easy, secure connection to a syringe, extension tube, or injection system.

3235 VFI Cannula 23g

3226 VFI Cannula 25g

3273 VFI Cannula 27g



PolyTip® VFI Cannula

Cannula length provides improved access across the eye and visualization of the cannula tip during use.

3241 PolyTip® VFI Cannula 23g
23g x 10mm

Silicone Oil Cannulas



VFI Infusion Cannula

VFI Infusion Cannulas can be inserted into an entry cannula and will remain attached via the silicone fitting at the tip. The self-retaining feature allows bimanual surgery during oil fill in small gauge cases. The VFI Cannula can be used to infuse both BSS and silicone oil during a case. Ideal for PFO-to-silicone oil exchange cases. Not compatible with Alcon valved trocar cannulas.

3246 VFI Infusion Cannula 23g

3245 VFI Infusion Cannula 25g

3301 VFI Infusion Cannula 27g



Viscous Fluid Infusion Cannula

Viscous Fluid Infusion Cannulas feature a thin-walled, high-flow cannula tip and high-pressure tubing that allows quick injection of silicone oil. Can be used to infuse both BSS and silicone oil during a case. Green flange offers enhanced visibility during suturing. Luer lock hub enables an easy, secure connection to the infusion line.

3200 Viscous Fluid Cannula 20g (4mm)
16cm (6in) high-pressure tube with 4mm tip

3201 Viscous Fluid Cannula 20g (6mm)
16cm (6in) high-pressure tube with 6mm tip



Picks & Knives

AdvantEdge® MVR Knife

AdvantEdge® MVR Knives deliver sharp, consistent sclerotomies—optimized for use with 23g cannula systems. Narrow version fits through 23g entry cannula for use as a knife or pick.



3272 AdvantEdge® MVR Knife 23g (Narrow)

3268 AdvantEdge® MVR Knife 23g



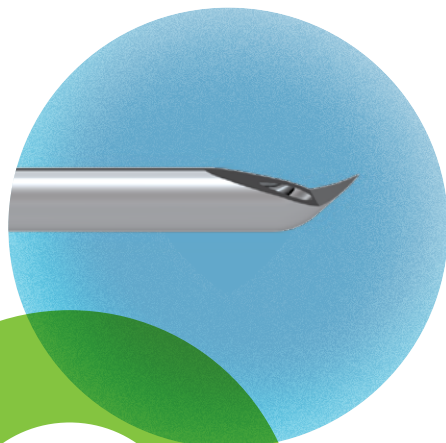
MicroPick

MicroPicks are intended for lifting the edge of ILM or other retinal membranes for subsequent peeling with forceps. Pick is angled 45 degrees, 0.5mm from the tip. Can be used for aspiration or injection. Luer lock hub enables an easy, secure connection to a backflush handle or syringe.



3229 MicroPick 23g
23g x 32mm

3204 MicroPick 25g
25g x 32mm

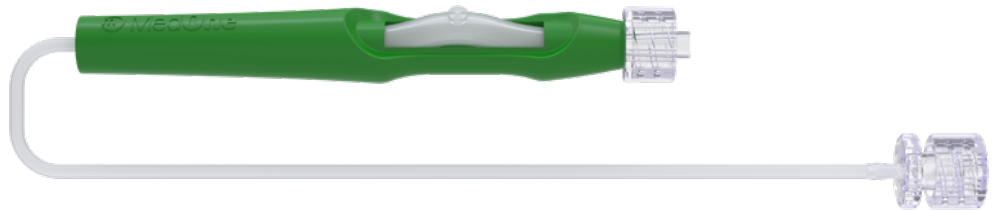


Backflush Instruments

Backflush Handle

The Backflush Handle is designed to maximize performance and ergonomic comfort. Short handle provides excellent maneuverability in the surgical field, especially around wide-field viewing systems. Grip area is designed for precise control in delicate procedures. Luer lock fitting enables a quick, easy connection with any luer-compatible cannula, including all MedOne cannulas. Removable cap allows use with active or passive aspiration.

3228 Backflush Handle



Backflush Instrument

Backflush Instruments combine our ergonomic handle with our most popular cannulas. Available with blunt tip cannula or 0.75mm silicone tip, allowing easy entry through valved entry cannulas. Removable cap allows use with active or passive aspiration.

3286 Backflush Cannula 23g

3290 Backflush FlexTip™ 23g

3295 Backflush Cannula 25g

3296 Backflush FlexTip™ 25g

3276 Backflush Cannula 27g

3278 Backflush FlexTip™ 27g



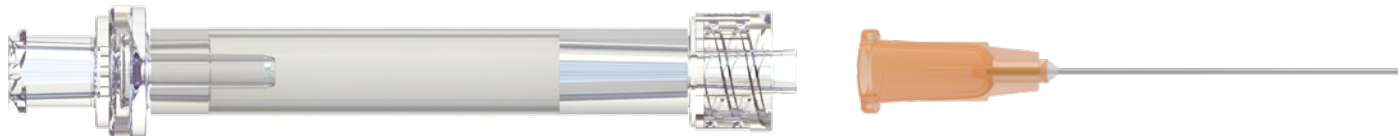
Specialized Instruments

GentleJect™ Cannula

The GentleJect™ is ideal for gentle delivery of staining dye during surgery. A one-way valve allows one-step filling and priming in preparation for delivery of dye. Soft finger pressure on the silicone reservoir allows gentle, precise application of dyes to the retina surface while minimizing risk of fluid jet. Translucent reservoir makes it easy to see dye volume. Luer lock connection to the included 25g blunt cannula or any other cannulas if desired. Ideal for use with DualBore SideFlō® Cannula.

Developed in cooperation with Martin Charles, MD, FASRS: Buenos Aries, Argentina

3316 GentleJect™ Cannula 25g

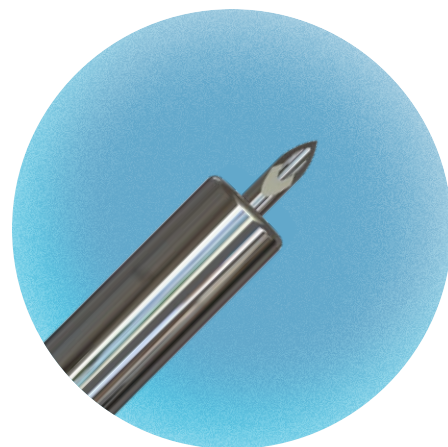


AcuDepth™ Injector

AcuDepth™ Injectors have fixed length tips, allowing precise depth of injection. The 15 degree bevel allows easy entry while limiting bevel length. Unique hub reduces dead space to approximately 25 microliters. Luer lock hub for secure connection to syringe.

3330 AcuDepth™ Injector 30g x 0.7mm

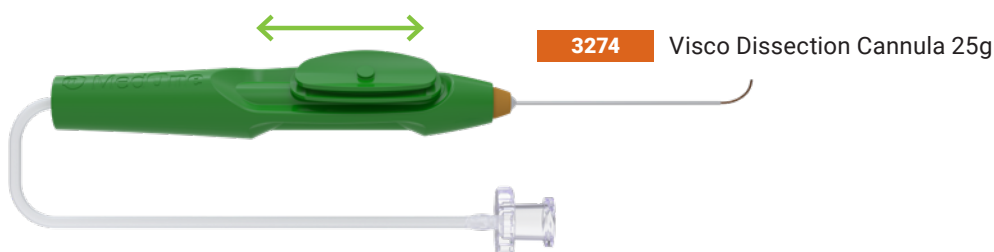
3331 AcuDepth™ Injector 30g x 1mm



Specialized Cannulas

Visco Dissection Cannula

The 25g Visco Dissection Cannula has an extendable curved tip, allowing injection of viscoelastic material for gentle dissection of epiretinal membranes. When extended, the curved tip allows injection parallel to the retina surface and when retracted, easy passage through entry cannulas. Luer lock connection allows easy, secure connection to syringe.

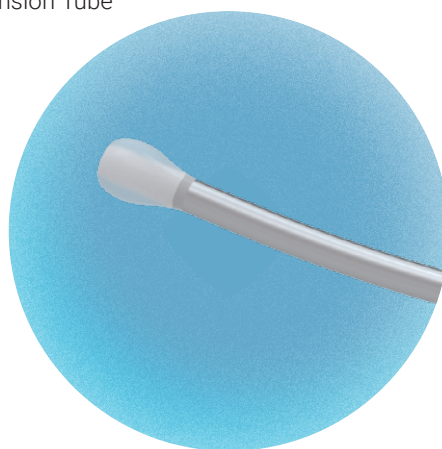


Olive Tip SC Cannula [El Rayes]

The curved Olive Tip SC Cannula [El Rayes] is designed for injection of fluids, primarily in the anterior suprachoroidal space. This is especially useful for injecting a filler material, such as viscoelastic, to create a buckle effect in the treatment of peripheral retinal detachments. The cannula can also be used to inject therapeutic agents or to aspirate blood or other fluids in the suprachoroidal space.

Developed in cooperation with Ehab N. El Rayes, MD, PhD, Cairo, Egypt

3311 Olive Tip SC Cannula 23g [El Rayes]
Includes cannula and 3243 High Pressure Extension Tube



Specialized Accessories



High Pressure Extension Tube

For injection of high-viscosity liquids. Compatible with all cannulas and ideal for use with our subretinal cannulas for precise tip positioning during injection by surgeon or assistant. Can be used with the VFI cannulas for injection of high viscosity liquids such as silicone oil. Small-bore tubing with 0.3mL priming volume.

3243 High Pressure Extension Tube
15cm (6in) PVC tube with male and female luer lock connections

Extension Tube [Hammer]

The Extension Tube is for precise delivery and minimal fluid loss. Compatible with all cannulas and ideal for use with our subretinal cannulas for precise tip positioning during injection by surgeon or assistant. For precise, controlled microinjections. The short, small-bore tubing has a 0.1mL priming volume for minimal fluid loss and precise delivery.

3223 Extension Tube [Hammer]
5cm (2in) silicone tubing with male and female luer lock connections





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