IRIDEX® Vitreoretinal & Glaucoma Instrumentation & Consumables

IRIDEX®

Elegantly simple solutions™

Vitreoretinal Instrumentation

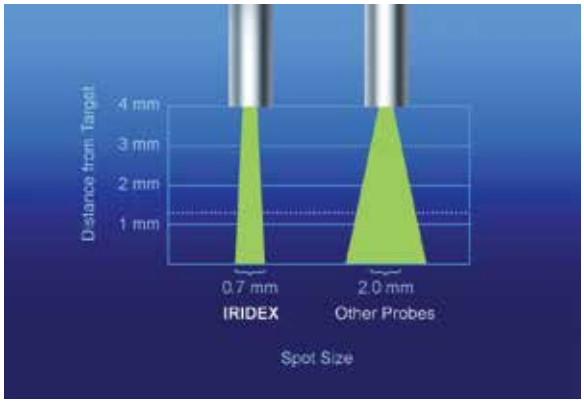
Precision and quality you can depend on, choose an IRIDEX EndoProbe®

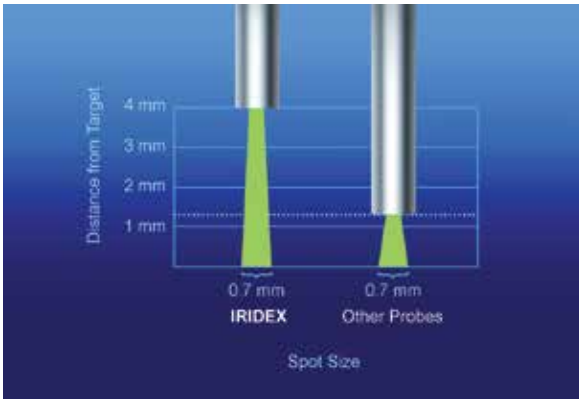
EndoProbe Handpieces - Precisely on Target

EndoProbe instrumentation targets the retina to deliver precise energy exactly where you need it. With a wide array of models, there is an EndoProbe for every vitreoretinal laser case.

Maximize Laser Energy

A tighter cone angle increases treatment distance from the retina and decreases the laser power density, creating a safer procedure.





Cone angle dictates the spot size at a given working distance. High-grade glass fiber yields a narrow cone angle (left probe, both images) allowing work from the retina at greater distances. Lower grade fibers (right probe, both images) show how much closer to the retina the probe needs to be to provide the same spot size as an IRIDEX probe.

Laser and Light Source Compatibility

Laser Source	Compatible?	Adaptor needed?
Alcon	YES	NO
Coherent Novus 2000	YES	NO
Ellex	YES	NO
IRIDEX	YES	NO
Lumenis	YES	NO
Nidek	YES	NO
Quantel	YES	NO
Zeiss	YES	NO

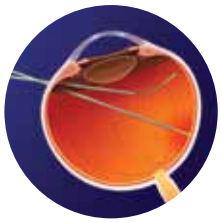
Light Source	Compatible?	Adaptor needed?	IRIDEX Adaptor Part Number
Alcon Accurus	YES	YES	13926
Alcon Constellation	YES	NO	NA
Bausch & Lomb Millennium	YES	NO	NA
Bausch & Lomb Stellaris	YES	YES	15775
D.O.R.C. BrightStar	YES	YES	15683
Synergetics Photon	YES	YES	15653

Stepped Angled

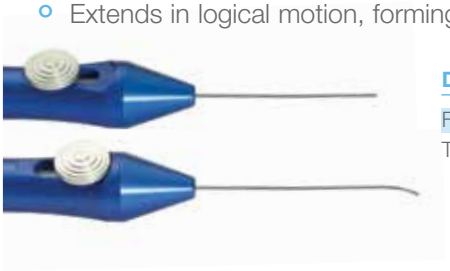
- Smooth and gently tapered needle permits insertion of angled tip through standard and valved cannulas
- Patented design provides full coverage of peripheral retina without removing probe from eye
- Offers rigid, fixed 45° angle for a sturdy alternative to flex-tip probes

Description (Box/6)	20 gauge	23 gauge	25 gauge
Angled 45˚	14030	14400	14120

Adjustable & Intuitive (Finger or Thumb)



- Patented design allows continuous adjustment of fiber optic over a wide range of angles
- Provides full coverage of peripheral retina without removing probe from eye
- Extends in logical motion, forming a greater angular deflection as slider is advanced



Description (Box/6)	20 gauge	23 gauge	25 gauge
Finger Adjust (0˚ - 45˚)	14572F	14573F	14574F
Thumb Adjust (0˚ - 45˚)	14572T	14573T	14574T

Illuminating Laser Probes

- Dual function - white-light illumination with laser delivery in one convenient design
- Offers bimanual operation - one hand manages illumination and laser delivery, freeing the other hand to operate additional instruments
- Optimal brightness - combines multiple illumination fibers and one laser fiber

Description (Box/6)	19.5 gauge	20 gauge	23 gauge	25 gauge
Bayonet Straight		14420		
Bayonet Angled 30˚		14410		
BriteLight™ Straight	13900		14540	14490
BriteLight Angled 30˚	14020			
BriteLight Angled 45˚	13930			
BriteLight Stepped Angled 20˚				14560
BriteLight Stepped Angled 45˚			14545	

Vitreoretinal Instrumentation

Precision and quality you can depend on, choose an IRIDEX EndoProbe®

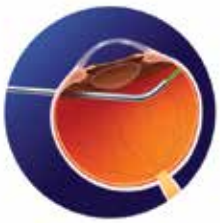
Standard Straight

- Provides direct access to treatment site
- Facilitates easy insertion and extraction at the sclerotomy site
- Increased visibility due to tapered tip

Description (Box/6)	20 gauge	23 gauge	25 gauge
Straight	10562	14390	13920

Standard Angled

- Used for treatment of the peripheral retina
- Provides greater flexibility when using a wide field viewing system
- Includes a tapered tip for easier insertion and visibility of the treatment area



Description (Box/6)	20 gauge
Angled 45°	10547

Aspirating

Active

- Combines the utility of active aspiration and endophotocoagulation in a single device
- Eliminates the need for extrusion needles and frees hand for illumination
- Includes Luer fitting compatible with standard aspirating equipment

Passive Fluted

- Combines the utility of passive aspiration and endophotocoagulation in a single device
- For subretinal fluid aspiration associated with tears and detachments
- Designed for surgeons who prefer to control the rate of fluid extrusion with their finger

Description (Box/6)	20 gauge
Active Straight	14000
Active Angled 45°	14010
Passive Fluted	11473

RFID EndoProbe Handpieces*

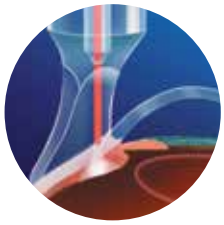
Description (Box/6)		20 gauge	23 gauge	25 gauge
Stepped	Angled 45°	65743	65698	65701
Illuminating	Bayonet Straight	65728		
	Bayonet Angled 30°	65731		
	BriteLight™ Straight		65707	65704
	BriteLight Stepped Angled 20°			65950
	BriteLight Stepped Angled 45°		65710	
Standard	Straight	65692	65716	65713
	Angled 45°	65695		
Aspirating	Active Straight	65752		
	Active Angled 45°	65755		

*Compatible with IQ 532™ and IQ 577™ laser systems

G-Probe™ Glaucoma Device

Offers an Office-based, Non-Invasive Surgical Solution

The G-Probe glaucoma device performs transscleral cyclophotocoagulation (TSCPC) to lower IOP through selective ablation of the ciliary processes. This simple, yet effective, repeatable procedure can be performed in the office, operating room, or in conjunction with other procedures, like cataract surgery.



Placement

Side view of the G-Probe positioned on the limbus.

Application

Wedged tip design of G-Probe supports precise placement around the circumference of the limbus.

Treatment

Posterior view of ciliary processes after laser treatments applied in a 270° arc.

Description (Box/6)	Model Number
G-Probe – Standard Handle	11256

DioPexy™ Probe

Efficacy and Safety

The DioPexy Probe is indicated for transscleral retinal photocoagulation (TSRPC) and has been shown to be a safe and effective means of creating chorioretinal adhesion during retinal detachment surgery.[1, 2]

- Shape of tip automatically enables easy indentation for efficient and consistent transmission through scleral tissue
- Accuracy is assured through transillumination of the retina with the aiming beam

Placement

Integrated optic at distal tip permits convenient laser delivery at right angles to shaft.

Treatment Endpoints

Titrating the retinal reaction to a light-gray endpoint by releasing the footswitch at the first sign of graying of the overlying retina will result in an endpoint similar to that desired when using transpupillary diode laser photocoagulation.

Description (Single)	Model Number
DioPexy Probe	11454
DioPexy Probe with Tray	11454-1

*Compatible with IRIDEX 810 nm laser systems

Vitreoretinal Consumables

Enhancing visualization and surgical performance with every product

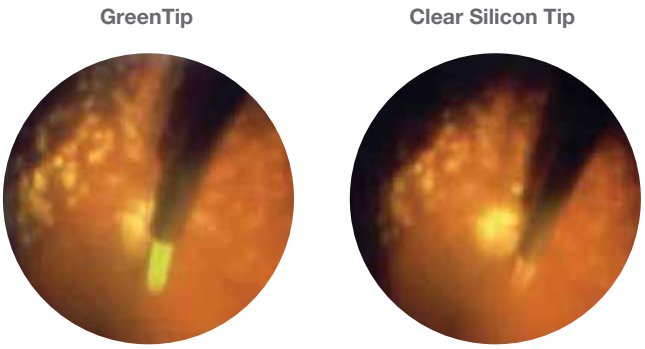
GreenTip™ Soft Tip Cannula

Effectively visualize and assess the proximity of the retina with the patented “fluorescing” GreenTip cannula. Unlike transparent silicone-tipped needles, the GreenTip is designed to provide optimal contrast against the red-orange background of the retina.

Gain More Control with Better Visualization

- Patented green tip design maximizes visualization against retina
- Atraumatic silicone tip protects the retina during aspiration and subretinal fluid drainage
- Standard tip design maximizes flow
- Brush tip design protects the tissue by directing partial flow along the side of the tip
- New 0.5 mm standard tip allows for easy insertion and improved fit in valved cannulas

GreenTip provides high contrast with the retina for improved visualization



Greater intraoperative visibility and safety, compared to clear silicone-tipped needles.

Description (Box/12)	Model Number
20 Gauge - Standard Tip 0.5 mm	100-31
20 Gauge - Standard Tip 1.0 mm	100-40
20 Gauge - Standard Tip 2.5 mm	100-49
23 Gauge - Standard Tip 0.5 mm	100-32
23 Gauge - Standard Tip 1.0 mm	100-41
23 Gauge - Standard Tip 2.5 mm	100-23
25 Gauge - Standard Tip 0.5 mm	100-33
25 Gauge - Standard Tip 1.0 mm	100-42
25 Gauge - Standard Tip 2.5 mm	100-25

Description (Box/12)	Model Number
20 Gauge - Brush Tip 2.5 mm	100-48
23 Gauge - Brush Tip 2.5 mm	100-46
25 Gauge - Brush Tip 2.5 mm	100-47

MoistAir™ In-Line Air Humidifier

Enhance surgical performance by reducing dehydrating effects of dry air in the posterior chamber with the MoistAir humidifier.[3,4]

Peer reviewed studies show:

- Delay crystalline lens feathering[5]
- May prevent visual field defects after macular hole surgery[6,7]
- Protect the corneal endothelium[8,9]

The MoistAir chamber inserts into any standard tubing set and is self-priming when placed between the stop cock and infusion cannula.

Description (Box/10)	Model Number
MoistAir Humidifying Chamber	200-10

Endoview™ Sapphire Surgical Contact Lenses*

Manufactured from single-crystal sapphire, the Endoview Sapphire lenses offer superior clarity, visualization and durability over standard quartz lenses.

Durability with Superior Performance

- Scratch and chip proof
- High refractive index for wide field viewing
- Increased visualization during fluid-gas exchange
- Reusable
- Wide array of lens models available

*Endoview lenses are available for U.S. sales only

Endoview Sapphire Surgical Contact Lenses (Singles)	Model Number
Flat Sapphire Lens (-49D, wide field)	700-04
15° Prism Sapphire Lens (-49D)	700-05
30° Prism Sapphire Lens (-49D)	700-06
Biconcave Sapphire Lens (-151D)	700-07
Asymmetric Biconcave Sapphire Lens (-131D/-140D)	700-08
30° Prismatic Biconcave Lens (-117D)	700-09
Magnifying Lens (-11D)	700-13
Macular Lens (-20D)	700-14

Endoview Lens Accessories (Singles)	Model Number
Sterilization Container	700-10
Lens Ring	700-11

Endoview Sapphire Lens Sets	Model Number
Basic Lens Set (Contains 4 lenses: flat, 15°, 30°, and biconcave lens). Also includes Sterilization Container and Lens Ring.	700-00
Deluxe Lens Set (Contains 6 lenses: flat, 15°, 30°, biconcave, asymmetric biconcave, and 30° prismatic biconcave lens). Also includes Sterilization Container and Lens Ring.	700-02
Expanded Deluxe Lens Set (Contains 7 lenses: flat, 15°, 30°, biconcave, asymmetric biconcave, 30° prismatic biconcave, and magnifying lens). Also includes Sterilization Container and Lens Ring.	700-03
Complete Lens Set (Contains 8 lenses: flat, 15°, 30°, biconcave, asymmetric biconcave, 30° prismatic biconcave, magnifying, and macular lens). Also includes Sterilization Container and Lens Ring.	700-15

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2. Kapran Z, Uyar OM, Bilgin BA, Kaya V, Cilsim S, Eltutar K. Diode laser transscleral retinopexy in rhegmatogenous retinal detachment surgery. *Eur J Ophthalmol* 2001;11(4):356-60.
3. Harlan JB, Jr., Lee ET, Jensen PS, de Juan E, Jr. Effect of humidity on posterior lens opacification during fluid-air exchange. *Arch Ophthalmol* 1999;117(6):802-4.
4. Welch JC. Dehydration injury as a possible cause of visual field defect after pars plana vitrectomy for macular hole. *Am J Ophthalmol* 1997;124(5):698-9.
5. Ohji M, Nao IN, Saito Y, Hayashi A, Tano Y. Prevention of visual field defect after macular hole surgery by passing air used for fluid-air exchange through water. *Am J Ophthalmol* 1999;127(1):62-6.
6. Cekic O, Ohji M, Zheng Y, Hayashi A, Kusaka S, Tano Y. Experimental study of viscoelastic in the prevention of corneal endothelial desiccation injury from vitreal fluid-air exchange. *Am J Ophthalmol* 2003;135(5):641-7.
7. Cekic O, Ohji M, Hayashi A, Fang XY, Kusaka S, Tano Y. Effects of humidified and dry air on corneal endothelial cells during vitreal fluid-air exchange. *Am J Ophthalmol* 2002;134(1):75-80.
8. Cekic O, Ohji M, Hayashi A, Fang XY, Kusaka S, Tano Y. Humidified air effect on pupil size during fluid-air exchange. *Retina* 2001;21(5):529-31.
9. Eter N, Brinken R, Garbe S, Spitznas M. Intraocular humidity immediately after fluid-air exchange in pars plana vitrectomy. Graefes *Arch Clin Exp Ophthalmol* 2006;244(3):305-8.

Clinical references available upon request.

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Elegantly simple solutions™

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