BVI

PhysIOL | FINEVISION

Trifocal
Hydrophilic

Technical Specifications

Commercial name	MICRO F		POD F	
Material	25% hydrophilic acrylic		26% hydrophilic acrylic	
Overall diameter	10.75 mm		11.40 mm	
Optic diameter	6.15 mm		6.00 mm	
Optic	Biconvex aspheric (-0.11µ SA) trifocal diffractive FINEVISION			
Filtration	UV & blue light			
Refractive index	1.46			
Abbe number	58			
Angulation	5°			
Additional power	+ 1.75D for intermediate vision and + 3.50D for near vision			
Injection system	Medicel Viscoject Bio 1.8/2.2 up to 24.5D Medicel Accuject 1.8/2.0 up to 24.5D Medicel Accuject 2.1/2.2 up to 35D		Medicel Accuject 2.0 up to 24.5D Medicel Accuject 2.1/2.2 up to 35D	
Incision size	≥ 1.8 mm		≥ 2.0 mm	
Spherical power	10D to 35D (0.5D steps)		6D to 35D (0.5D steps)	
Square edge	360°			
Nominal manufacturer A constant	118.80		118.95	
Suggested A constant[1]	Interferometry	Ultrasound	Interferometry	Ultrasound
Hoffer Q: pACD	5.35	5.26	5.59	5.35
Holladay 1: Sf	1.60	1.48	1.83	1.57
Barrett: LF	1.78	-	1.86	-
SRK/T: A	118.80	118.59	118.95	118.73
Haigis[2]: a0; a1; a2	1.36; 0.4; 0.1	1.13; 0.4; 0.1	1.36; 0.4; 0.1	1.13; 0.4; 0.1

[1] Estimates only: surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.
[2] Not optimized.

Contact Information:
www.bvimedical.com/customer-support/

bvimedical.com

Product Information

	MICRO F	POD F
Manufacturer	PhysIOL s.a. - Liège Science Park Allée des Noisetiers 4 B-4031 Belgium +32 4 361 05 49 physiol@bvimedical.com	PhysIOL s.a. - Liège Science Park Allée des Noisetiers 4 B-4031 Belgium +32 4 361 05 49 physiol@bvimedical.com
Certificate information	CE: Certificate N° CE658516 ISO 13485:2016: Certificate n° MD658518 MDSAP: Certificate N° MDSAP 691544 ISO 9001:2015: Certificate N° FM 658519	CE: Certificate N° CE658516 ISO 13485:2016: Certificate n° MD658518 MDSAP: Certificate N° MDSAP 691544 ISO 9001:2015: Certificate N° FM 658519
Shelf life	Five (5) years from manufacturing date	Five (5) years from manufacturing date
Intended Use	Intended use (for all IOLs): The posterior chamber intraocular lens which is intended to be placed into the capsular bag for the replacement of the human lens to achieve the visual correction of aphakia in adult patients in whom the cataractous lens has been removed by extracapsular cataract extraction.	Intended use (for all IOLs): The posterior chamber intraocular lens which is intended to be placed into the capsular bag for the replacement of the human lens to achieve the visual correction of aphakia in adult patients in whom the cataractous lens has been removed by extracapsular cataract extraction.
Indication for use	The lens should be used as intended in patients surgically treated for cataract, with possibly associated presbyopia, who desire improved uncorrected far vision, useful near and intermediate visual functions and reduced spectacle dependence.	The lens should be used as intended in patients surgically treated for cataract, with possibly associated presbyopia, who desire improved uncorrected far vision, useful near and intermediate visual functions and reduced spectacle dependence.
Product Composition	No products of animal or human origin are present in the implant. The implant is made of the HELIO25 material, composed of an acrylate copolymer Hydroxyethyl methacrylate (HEMA) and Ethoxyethyl methacrylate (EOEMA), including a UV and blue light filter	No products of animal or human origin are present in the implant. The implant is made of the HELIOFLEX material, composed of an acrylate copolymer Hydroxyethyl methacrylate (HEMA) and Methyl methacrylate (MMA), including a UV and blue light filter
For sterile product	All IOLs from PhysIOL are steam sterilized	All IOLs from PhysIOL are steam sterilized
Packaging Material	Holder (Polypropylene) Container (Polypropylene) Storage liquid (0.9% NaCl solution) Aluminium lid (Aluminium Gold) Container label (paper) Blister PP (Polypropylene) Tyvek lid	Holder (Polypropylene) Container (Polypropylene) Storage liquid (0.9% NaCl solution) Aluminium lid (Aluminium Gold) Container label (paper) Blister PP (Polypropylene) Tyvek lid
Product Class	MDD Class IIb Sterile, According to European Medical Device Directive 93/42/EEC Not available in the United States	MDD Class IIb Sterile, According to European Medical Device Directive 93/42/EEC Not available in the United States

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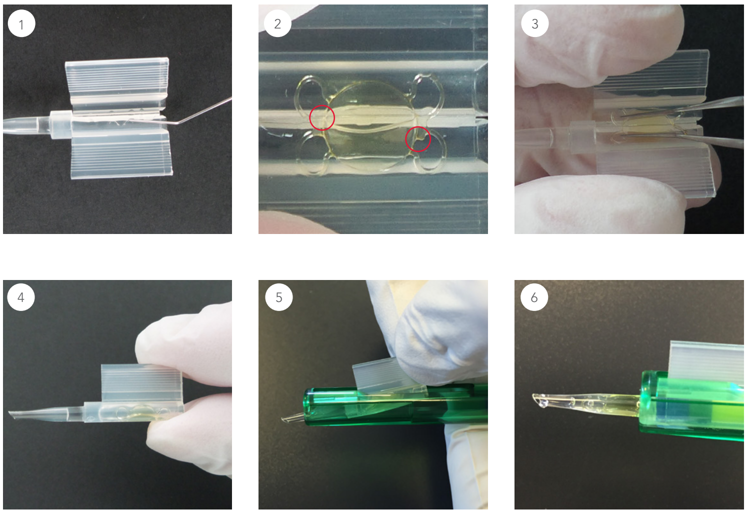
Injection Guidelines

The Medicel Viscoject Bio 1.8/2.2 and Accuject 1.8/2.0/2.1/2.2 injection system are recommended for implanting the FINEVISION lenses.
This fully single-use system represents total reliability for safe and effective lens injections.
Its compact design with integrated cartridge enables a simple, predictable loading and positioning of the lens.

FINEVISION MICRO F

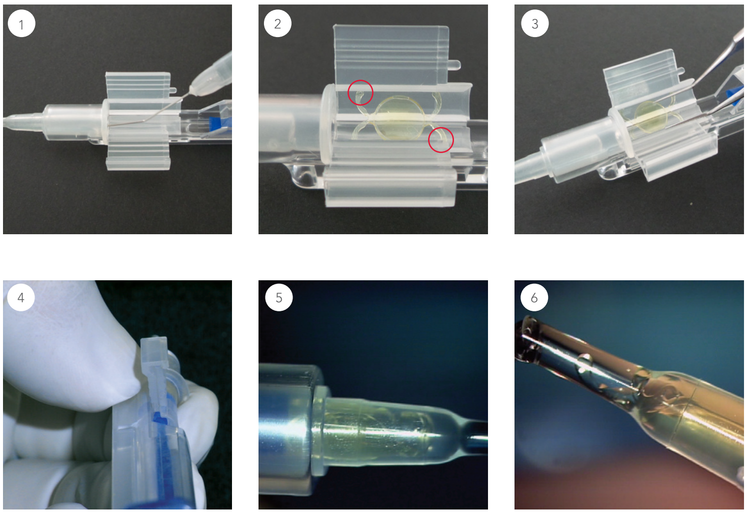
Medicel Viscoject Bio 1.8/2.2 up to 24.5D
Medicel Accuject 1.8/2.0 up to 24.5D and 2.1/2.2 up to 35D
Guidelines with Viscoject:



1. Apply ophthalmic viscoelastic device (OVD) into the tip and the loading chamber of the injector cartridge.
2. Remove the lens from the lens holder. Position the lens into the cartridge in such way that the two haptics with the notches are pointing at 1 and 7 o'clock.
3. Exert slight pressure onto the lens optic and make sure that all haptics are inside before further closing the cartridge.
4. Close the cartridge and check the position of the lens. Once the "click-lock" mechanism engages, the lens is securely loaded.
5. Engage the cartridge in the injector.
6. Press the injector plunger forward and push the lens into the conical tip of the cartridge. Pull the plunger back a few millimeters and then inject the lens in one continuous motion. For gentle implantation, it is not necessary to fully push the plunger to the bottom of the cartridge.

FINEVISION POD F

Accuject 2.0 for lens diopters up to 24.5D
Accuject 2.1/2.2 for lens diopters up to 35D
Guidelines with Accuject:



1. Apply ophthalmic viscoelastic device (OVD) into the tip and the loading chamber of the injector cartridge.
2. Remove the lens from the lens holder. Position the lens into the cartridge in such way that the two haptics with the notches are pointing at 1 and 7 o'clock.
3. Exert slight pressure onto the lens optic and make sure that all haptics are inside before further closing the cartridge. Close the cartridge and check the position of the lens.
4. Once the "click-lock" mechanism engages, the lens is securely loaded and ready for injection.
5. Press the injector plunger forward and push the lens into the conical tip of the cartridge.
6. Pull the plunger back a few millimeters and then inject the lens in one continuous motion. For gentle implantation, it is not necessary to fully push the plunger to the bottom of the cartridge.

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