

Micro IOLs

Preloaded for 1.8mm injection



PhysIOL

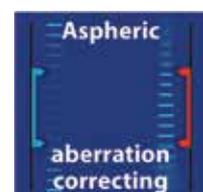
■ 123 Premium preloaded system for easy 1.8mm injection

The Micro 123 lenses are quickly prepared for injection through 1.8mm incisions. The lenses are delivered preloaded in a micro-incision cartridge, which is then simply clipped to the 123 Premium single-use injector. The elimination of any lens handling ensures perfect control of asepsis and makes lens injection comfortable and reproducible.



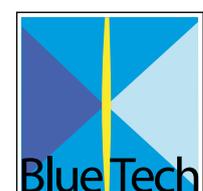
■ Aspheric to improve quality of vision

The Micro 123 aspheric optic partly compensates the corneal spherical aberration for improving contrast sensitivity while preserving depth of field.



■ Blue Tech to ensure retinal protection

Micro AY 123 offers improved retinal protection with its Blue Tech yellow chromophore which optimises UV light filtration and attenuates potentially phototoxic blue light.



■ Anti-PCO effects

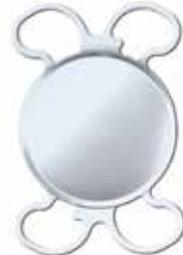
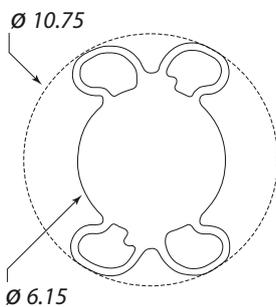


The Micro 123 IOLs feature a 360° square edge barrier against LECs migration. The anti-PCO effect is maximised by the 5° haptic angulation which increases the pressure onto the posterior capsule.



The clinical efficiency of such characteristics was demonstrated with the MicroSlim lens design introduced in 2007.

■ In practice



Injection System

Filtration

Incision Size

Optic

Material

Optic Diameter (Ø B)

Overall Diameter (Ø T)

Angulation

AC Depth*

A Constant*

Power

	Micro AY	Micro AY 123	Micro A 123
Injection System	Viscoject	Preloaded Premium	Preloaded Premium
Filtration	UV and blue blocker		UV blocker
Incision Size	≥ 1.8mm		
Optic	Biconvex aspheric aberration-correcting (-0.11µ SA)		
Material	25% hydrophilic acrylic		
Optic Diameter (Ø B)	6.15mm		
Overall Diameter (Ø T)	10.75mm		
Angulation	5°		
AC Depth*	5.26		
A Constant*	Haigis (not optimized): a0 = 1.36 (interferometry) 1.04 (ultra-sound), a1 = 0.4, a2 = 0.1 Hoffer Q: pACD=5.52 (interferometry) 5.26 (ultra-sound) Holladay 1: Sf=1.74 (interferometry) 1.48 (ultra-sound) SRK II: A =119.3 (interferometry) 118.9 (ultra-sound) SRK/T: A =118.9 (interferometry) 118.6 (ultra-sound)		
Power	-10D to +9D (1D incr.)** +10D to +30D (0.5D incr.) +31D to +35D (1D incr.)	+10D to +30D (0.5D increments)	
* Estimates only: surgeons are recommended to use their own values based upon their personal experience. Release date: 25.06.12. Refer to our website for updates. ** From -10D to -1D: øB=6.30mm, øT=11mm			



Experienced IOL manufacturer

Created in 1986, PhysIOL has evolved from the University of Liège, Belgium, and serves the world of ophthalmology by designing, manufacturing and marketing innovative intraocular lenses responding to the strictest quality requirements.

Attractive and fast evolving product offer

PhysIOL offers attractive and efficient solutions, in line with the fast evolution of surgical techniques:

- 2006: *YellowFlex*: the first hydrophilic acrylic IOL with blue-light filtration for better retinal protection
- 2007: *SlimFlex-m 123*: preloaded IOL for a fast, safe and reproducible implantation without lens handling
- 2007: *MicroSlim*: designed for injection through incisions as small as 1.8mm
- 2008: *Micro AY* and *Slim AY 123*: aspheric lenses for improving contrast sensitivity and preserving depth of field
- 2009: *Poly A 123* and *Poly AY 123*: preloaded IOLs for all dimensional situations
- 2010: *Micro A 123* and *Micro AY 123*: the first preloaded IOLs for injection through 1.8mm incisions
- 2011: *FineVision*: the first trifocal diffractive IOL
- 2012: *iPure* and *PodEye*: two designs of hydrophobic acrylic glistening-free IOLs;
Ankoris: a new hydrophilic toric IOL design for a better rotation stability

International ambition

Our products are marketed in the Benelux and France through our own commercial structure and worldwide through a specially selected distribution network in more than 40 countries.

PhysIOL