



MICROPURE

Monofocal Hydrophobic IOL



SEE FURTHER FOR
YOUR CATARACT PATIENTS

MICROPURE & MICROPURE 123



bvimedical.com

MICROPURE & MICROPURE 123

See further for your cataract patients

The MICROPURE lens (MICAGF (123I) is a monofocal intraocular implant based on proven 4 closed loops platform stability with a reliable hydrophobic acrylic raw material.

The Micropure is also available preloaded in a cartridge, which is clipped to the Single-Use injector 1.2.3 Premium.

520.000
Micropure distributed
worldwide from 2015

MICROPURE 123

Where Micro refers to "support four closed loops haptics"

Corresponds with the hydrophobic material (GFY)

Refers to the preloaded system

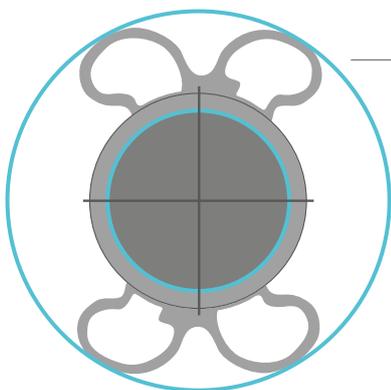


BASED ON MICRO HAPTIC DESIGN

The closed quadripode Micro haptic design has a widely adapted geometry, which dates back to 2003.

Besides, the large contact angle of the 4 haptics supports the lens centration at different simulated capsular bag diameters in vitro.¹

| Ø capsule: 10,0mm | Micropure | 1-piece C-loop yellow lens | 1-piece C-loop lens |
|-------------------|-----------|----------------------------|---------------------|
| Contact Angle | 135° | 61° | 57° |



Optimized stability thanks to 4 points of contact

Under the capsular retraction effect, the haptics absorb the forces applied on the periphery to maintain the implant optic correctly centred.²

Compressed implant Ø 9.50mm



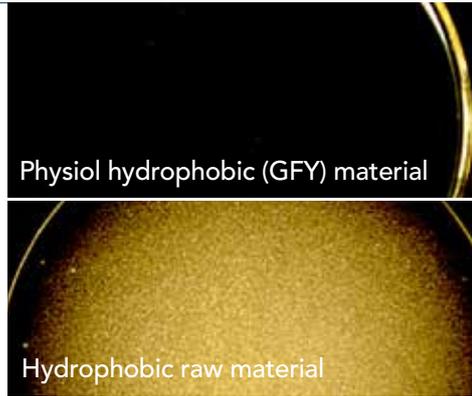
¹ ISO 11979-3 VALIDATION REPORT: MECHANICAL PROPERTIES – Report PhysIOL October 2015 | ² Mechanical properties according to ISO 11979-3 — PhysIOL test report dated 23 June 2014 | ³ Glistenings in Alcon Acrysof Intraocular Lenses, GEORGE H.H. BEIKO, B.M.,B.Ch.,FRCSCST. CATHARINES, CANADAASSIST PROF, MCMASTER UNIVLECTURER, UNIV OF TORONTO (<https://slideplayer.com/slide/10336530>) | ⁴ Miyata A, Jpn J Ophthalmol 2001, 45(6):564-569. | ⁵ <https://www.eurotimes.org/capsular-bag-stability-find/> | ⁶ CER F2 (MIC-GFY) | RD-REP-210-1-2021 | V1.0 | 27.04.2021 | ⁷ Biomaterial Optical Purity. The David J Apple International Laboratory for Ocular Pathology, 3 MAY 2017.

“Why implant a lens when the potential for glistening exists, if there is the equivalent-quality IOL available that carries out all the function of the lens but is not encumbered with glistening.” - David Apple cited by Georges Beiko³

BASED ON HYDROPHOBIC (GFY)

Proven 10 years reliable clinical outcomes from unique G-free hydrophobic

The GFY raw material is a Grade 0 based on the Miyata glistening scale (in vitro)^{4,5,6}



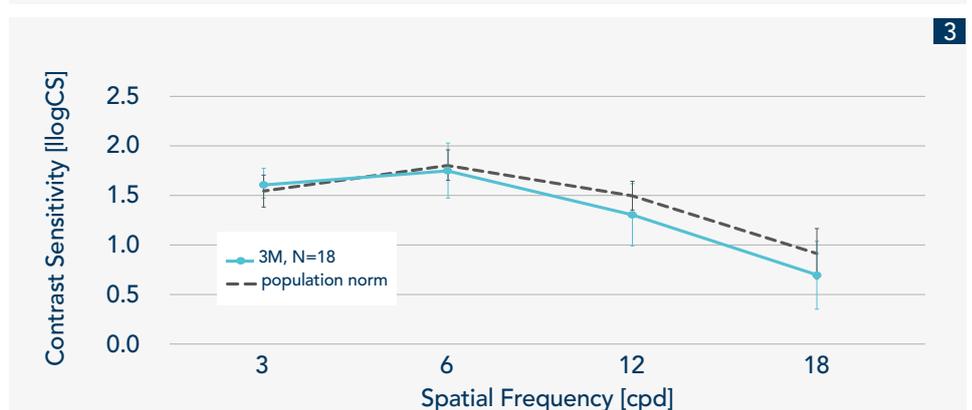
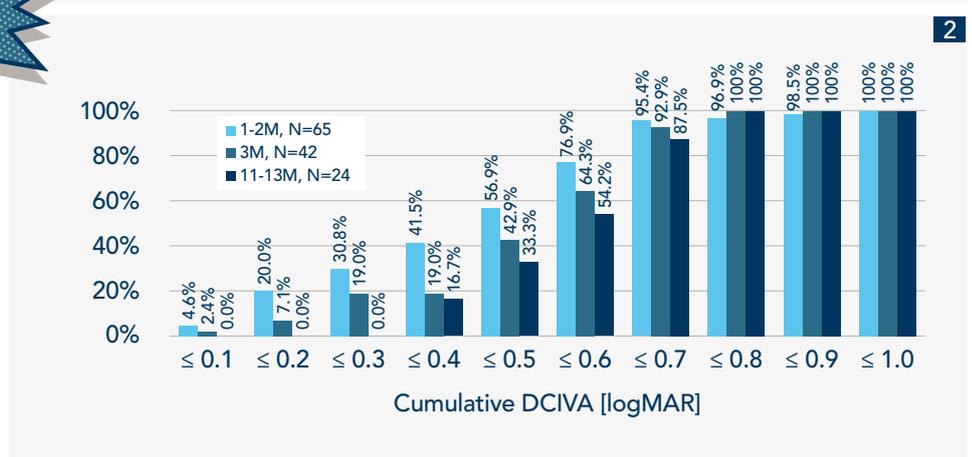
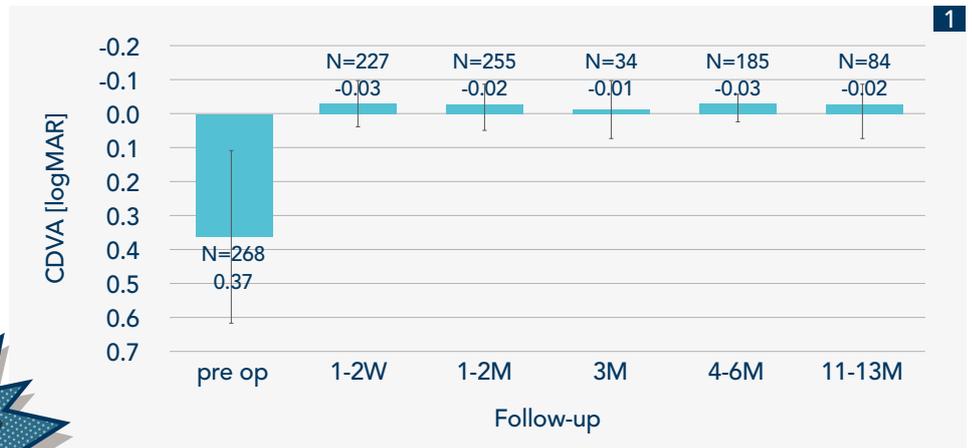
BASED ON CLINICAL EVALUATION^{6,7}



1 Pre- and postoperative monocular photopic CDVA (cohort of this analysis consists of 272 eyes implanted with MICROPURE 123 IOLs)

2 At 3 months, monocular photopic DCIVA was 0.50 logMAR (20/63) or better in 42.9% and 33.3% of the eyes respectively.

3 Mean binocular photopic contrast sensitivity at 3 months.



MICROPURE & MICROPURE 123



Description

| Model | MICROPURE | |
|-----------------------------------|--|----------------|
| Material | GFY Hydrophobic Acrylic ¹ | |
| Overall diameter | -10D to 24.5D: 11.00mm 25D to 35D: 10.75mm | |
| Optic diameter | -10D to 24.5D: 6.00mm 25D to 35D: 5.75mm | |
| Optic | Biconvex Aspheric Monofocal | |
| Haptic design | Micro (4-closed loops) & Posterior Angulated Haptic | |
| Filtration | UV & Blue Light | |
| Refractive index | 1.53 | |
| Abbe number | 42 | |
| Injection system | Medical Accuject 1.8 up to 24.5D Medical Accuject 2.0/2.1/2.2 up to 35D | |
| Spherical power | -10D to +9D (1D steps) +10D to +30D (0.5D steps) +31D to +35D (1D steps) | |
| Suggested A constant ² | | Interferometry |
| | Hoffer Q: pACD | 5.85 |
| | Holladay 1: Sf | 2.06 |
| | Barrett: LF | 2.09 |
| | SRK/T: A | 119.40 |
| | Haigis ³ : a0; a1; a2 | 1.70; 0.4; 0.1 |
| | MICROPURE 123 | |
| Overall diameter | 0D to 24.5D: 11.00mm 25D to 30D: 10.75mm | |
| Optic diameter | 0D to 24.5D: 6.00mm 25D to 30D: 5.75mm | |
| Injection system | Single-Use injector 1.2.3 Premium | |
| Spherical power | 0D to +9D (1D steps) & +10D to +30D (0.5D steps) Cartridge with PRS technology ² | |



The MICROPURE 123 lenses are delivered preloaded in a cartridge, which is simply clipped to the Single-Use Injector 1.2.3. Premium. If you need Single-Use Injector 1.2.3. Premium, please check the availability of the products on your market with your sales representative.

¹ The PhysIOL GFY® is patented since 2010.

² Values estimated only: surgeons are recommended to personalize their A-constant based on their surgical techniques and equipment, experience with the lens model and postoperative results.

³ Not optimized.

Contact Information:

www.bvimedical.com/customer-support/

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