BVI

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

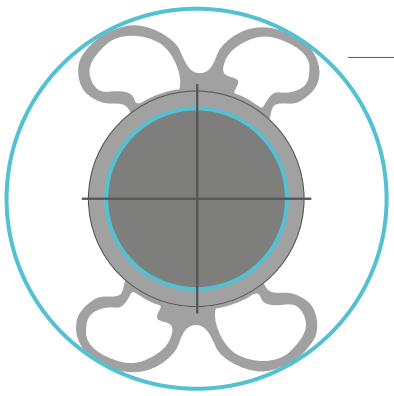
Where Micro refers to "support four closed loops haptics"	Corresponds with the hydrophobic material (GFY)	Refers to the preloaded system

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]

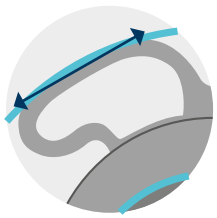
Ø capsule: 10,0mm	Micropure	1-piece C-loop yellow lens	1-piece C-loop lens
Contact Angle	135°	61°	57°



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



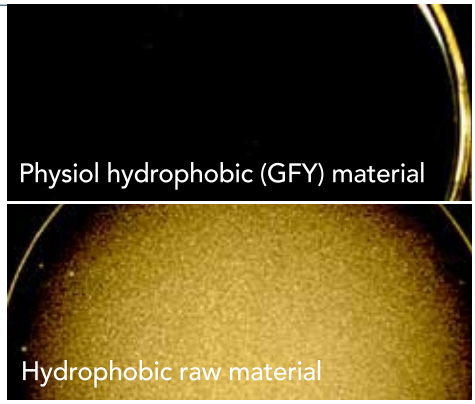
[1] ISO 11979-3 VALIDATION REPORT: MECHANICAL PROPERTIES – Report PhysIOL October 2015 | [2] Mechanical properties according to ISO 11979-3 — PhysIOL test report dated 23 June 2014 | [3] Glistenings in Alcon Acrysof Intraocular Lenses, GEORGE H.H. BEIKO, B.M.,B.Ch.,FRCSCST. CATHARINES, CANADAASSIST PROF, 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-findl | [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 Beiko[3]

BASED ON HYDROPHOBIC (GFY)

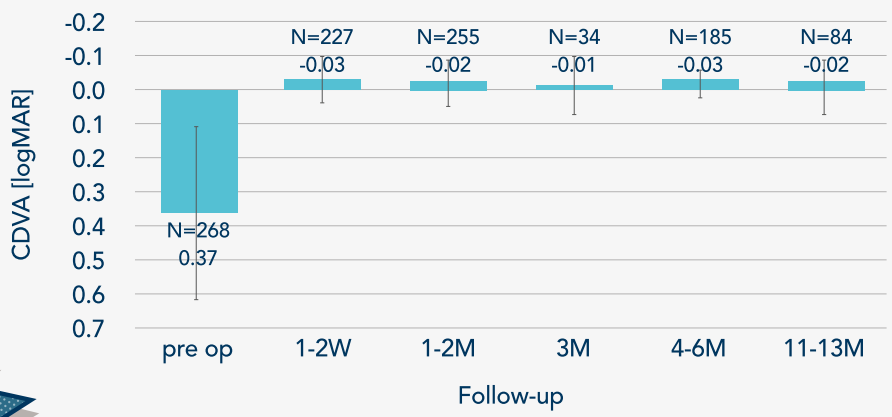
Proven 10 years reliable clinical outcomes from unique G-free hydrophobic

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

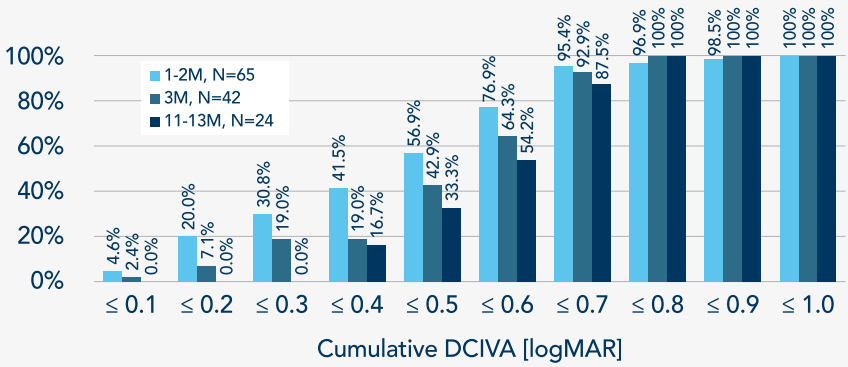


BASED ON CLINICAL EVALUATION[6,7]

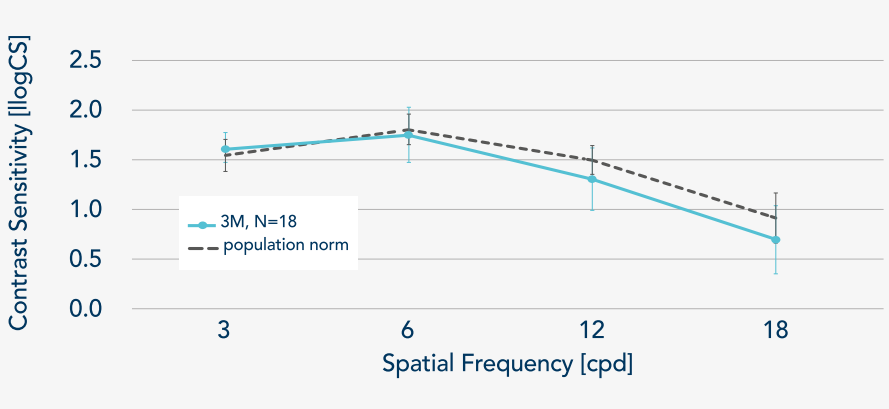
1



2



3



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.

BVI

PhysIOL | MICROPURE 123

Monofocal
Hydrophobic
Preloaded

Technical Specifications

Commercial name	MICROPURE 123		
Material	PhysIOL G-free® (GFY) (hydrophobic acrylic glistening-free)[1]		
Overall diameter	0D to 24.5D: 11.00 mm 25D to 30D: 10.75 mm		
Optic diameter	0D to 24.5D: 6.00 mm 25D to 30D: 5.75 mm		
Optic	Aspheric aberration-correcting (-0.11µ SA)		
Filtration	UV & blue light		
Refractive index	1.52		
Abbe number	42		
Angulation	2°		
Injection system	PhysIOL 1.2.3		
Incision size	≥ 2.2 mm		
Spherical power	0D to 9D (1D steps) & 10D to 30D (0.5D steps) Cartridge with PRS® technology[2]		
Square edge	360°		
Nominal manufacturer A constant	119.40		
Suggested A constant[3]		**Interferometry**	**Ultrasound**
	Hoffer Q: pACD	5.85	5.59
	Holladay 1: Sf	2.06	1.80
	Barrett: LF	2.09	-
	SRK/T: A	119.40	119.05
	Haigis[4]: a0; a1; a2	1.70; 0.4; 0.1	1.214; 0.4; 0.1
	MICROPURE (non-preloaded)		
Overall diameter	-10D to 24.5D: 11.00 mm & 25D to 35D: 10.75 mm		
Optic diameter	-10D to 24.5D: 6.00 mm & 25D to 35D: 5.75 mm		
Injection system	Medicel Accuject 1.8 up to 24.5D & Accuject 2.0/2.1/2.2 up to 35D		
Incision size	≥ 1.8 mm		
Spherical power	-10D to 9D (1D steps) & 10D to 30D (0.5D steps) & 31D to 35D (1D steps)		

[1] The PhysIOL G-free® (GFY) is patented since 2010. Chassain C, *J Fr Ophthalmol* 2018, 41(6):513-520.
[2] The PRS® technology is patent pending.
[3] Estimates only: surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates. [4] Not optimized.

Distributor

Imported in India by
A V MEDITECH
DSS-308, Ground Floor, Sector-20,
Huda Kaithal (HR) INDIA-136027
Mob. : 9354343355
E-mail: info@avmeditech.com
Website: www.avmeditech.com