

The logo for PhysIOL, featuring the brand name in a white serif font with a horizontal line under the 'IOL' portion.

PhysIOL

ADVANCED OPTICAL SOLUTIONS

The main title of the advertisement, 'ISOFOCAL', rendered in a large, white, all-caps serif font.

ISOFOCAL

TECHNOLOGY

by PhysIOL

A large, white, lowercase serif font quote that reads 'When serenity becomes reality'. The background of the entire advertisement is a deep blue space scene with a bright comet streaking across the upper left and the curved horizon of Earth visible at the bottom.

When
serenity
becomes
reality

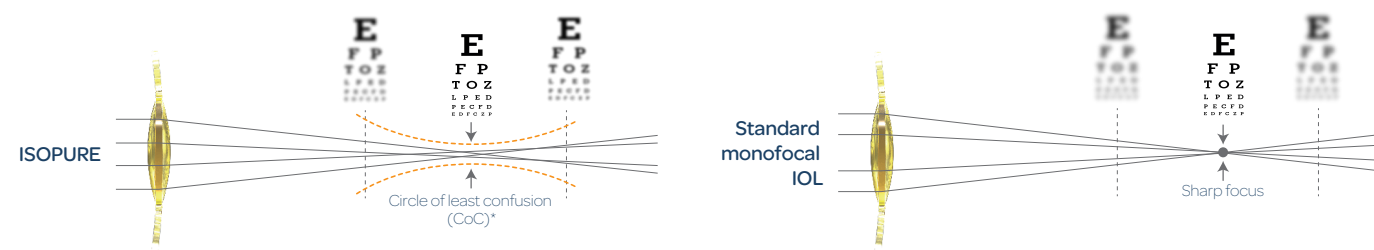
ISOFOCAL

TECHNOLOGY

by PhysiOL

IsoPure, innovative EDOF monofocal hydrophobic preloaded IOL

IsoPure is a fully refractive, aspherical and monofocal lens based on the unique Isofocal technology. The Isofocal technology provides cataract patients perfect far vision quality combined with visual improvement in intermediate vision by accentuating the extended depth of focus (EDOF) effect without inducing photic phenomena.



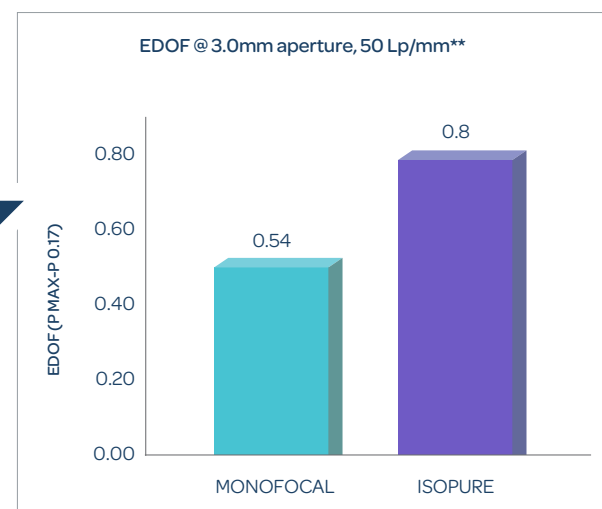
Isofocal technology by PhysiOL

To achieve EDOF*** performance, IsoPure shows a unique design surface thanks to the Isofocal technology (patent pending).

What do studies say?

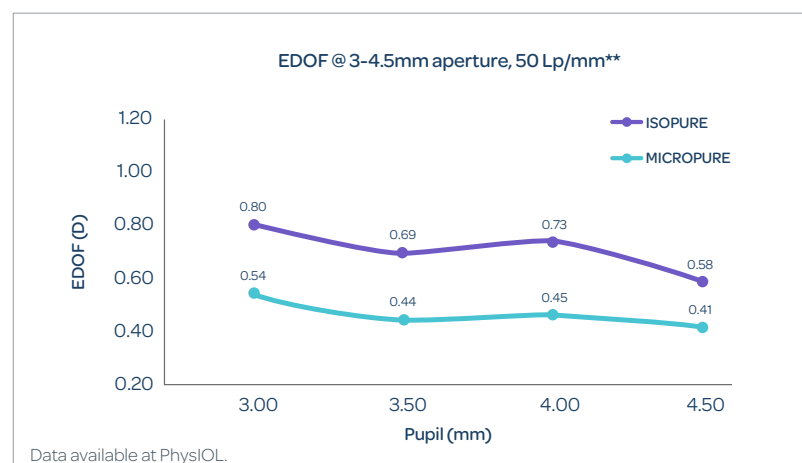
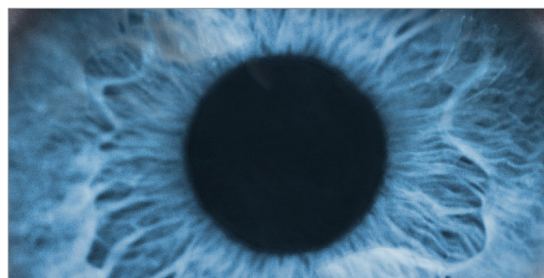
On the optical bench****, the IsoPure tends to achieve around 1 diopter of EDOF. This represents an increase of around 50% extended depth of focus compared to a standard aspheric monofocal IOL (MicroPure).

Reference: Data available at PhysiOL.



Pupil variation

The EDOF values of IsoPure as a function of the pupil size shows larger depth of focus compared to a monofocal lens.



Data available at PhysiOL.

*CoC is used in photography to determine the depth of focus of an image that is acceptably sharp.

** Measurement on optical bench equipped with the ISO2 cornea model which fulfills ISO 11979-2 with 0.28 μ m spherical aberrations @ 5.15 mm aperture and IOL plane.

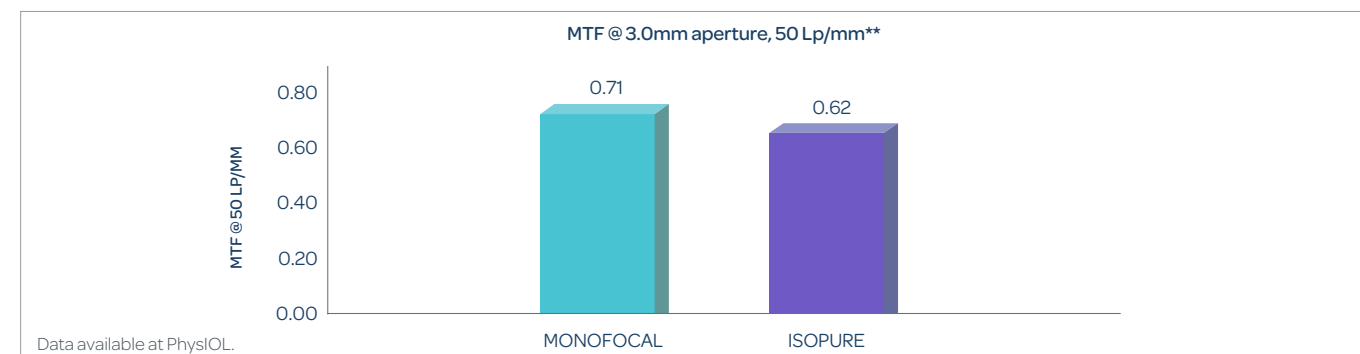
*** EDOF is defined as the power add-in diopter from the MTF peak (best focus) to MTF value of 0.17 at 50 Lp/mm (internal PhysiOL criterium).

**** The corneal model to fulfill the ISO 11979-1 guidelines specifications C3 with 0.28mm SA at 5.15mm aperture IOL plane will mimic the average human cornea.

When serenity becomes reality

Contrast sensitivity

The image quality is comparable to a monofocal lens (ISO2 @ 3.0 mm).

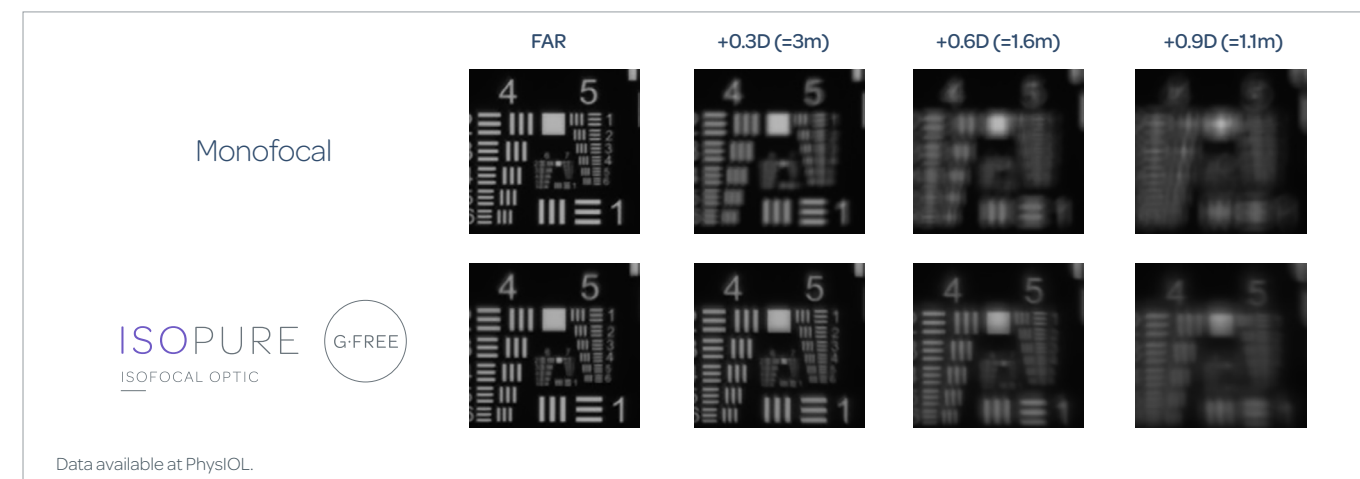


Data available at PhysiOL.

Side effects

IsoPure is based on a monofocal and **fully refractive technology**. The side effects associated to multifocal, such as halo, glare or starburst should have beneficially a low incidence and be comparable to the monofocal lens.

USAF resolution target



Data available at PhysiOL.



9 years proven technology

• **G-free®** is the **glistening-free hydrophobic** material by PhysiOL patented since 2010.

G-free® is guaranteed 100% **glistening-free**.

• Proven micro **platform stability** & long-term safety.

• **Preloaded** injection system PhysiOL 1.2.3



IsoPure technical specifications



ISOPURE
ISOFOCAL OPTIC

1.2.3

G-FREE



ISOPURE
ISOFOCAL OPTIC

G-FREE



Commercial name	IsoPure 123		
Material	PhysIOL G-free® (hydrophobic acrylic glistening-free)		
Overall diameter	10D to 24.5D: 11.00 mm 25D to 30D: 10.75 mm		
Optic diameter	10D to 24.5D: 6.00 mm 25D to 30D: 5.75 mm		
Optic	Isofocal surface design		
Filtration	UV & blue light		
Refractive index	1.52		
Abbe number	42		
Injection system	PhysIOL 1.2.3		
Incision size	≥ 2.2 mm		
Spherical power	10D to 30D (0.5D steps) Cartridge with PRS® technology		
Square edge	360°		
Nominal manufacturer A constant	119.40		
Suggested A constant (Estimates only: surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.)		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 (not optimized): a0; a1; a2	1.70; 0.4; 0.1	1.214; 0.4; 0.1
	IsoPure non-preloaded		
Spherical power	31D to 35D (1D steps)		
Injection system	Medical Accuject 2.0/2.1/2.2		

Distributed by



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