

**PhysIOL**

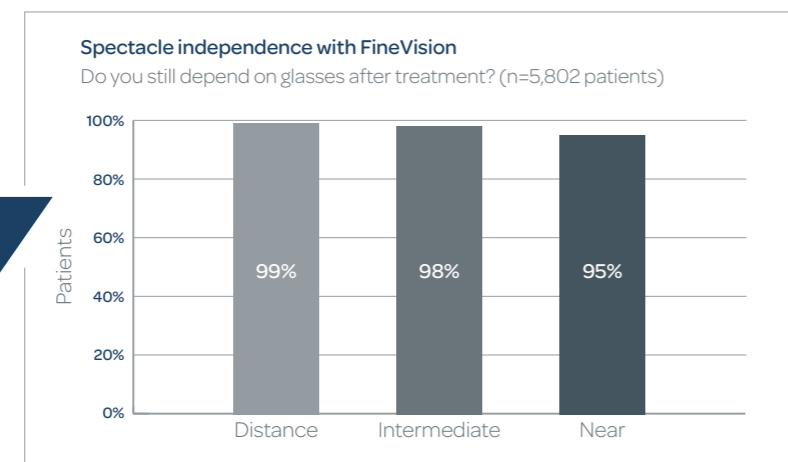
ADVANCED OPTICAL SOLUTIONS

**FINEVISION HP**  
Hydrophobic & Physiological trifocal IOL  
by PhysIOL

Perfect  
match  
for  
a sharp  
VISION

### FINE technology: the Gold Standard with 10 years follow-up

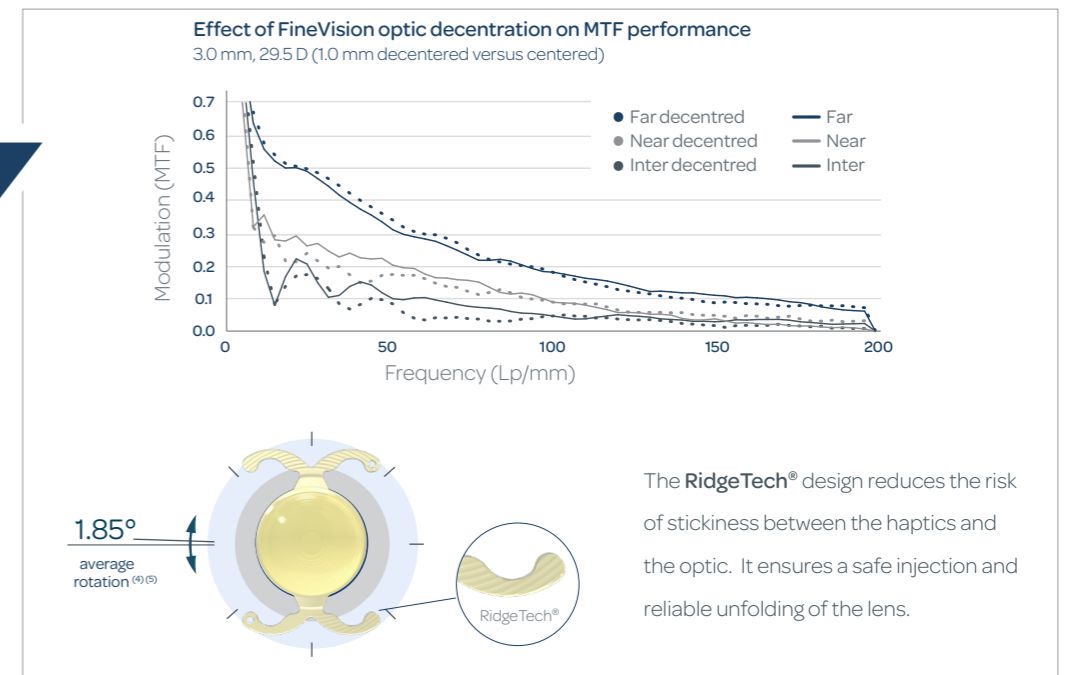
FineVision is the first trifocal apodized and convoluted IOL implanted since 2010 and considered as the **Gold Standard** in cataract and refractive surgery. This proven technology achieves the promise of a **spectacle free life**, offering **continuous vision** to accomplish any task at all distances.



**What do studies say?**  
The optical performance of the FINE technology is maintained upon IOL decentration of 1 mm. This effect on the optical performance is however less pronounced. <sup>(3)</sup>

### Double C-loop technology: optimal stability

Besides its postoperative rotational stability, the double C-loop platform offers easy maneuverability, both clockwise and counterclockwise, for accurate axis placement of the IOL.



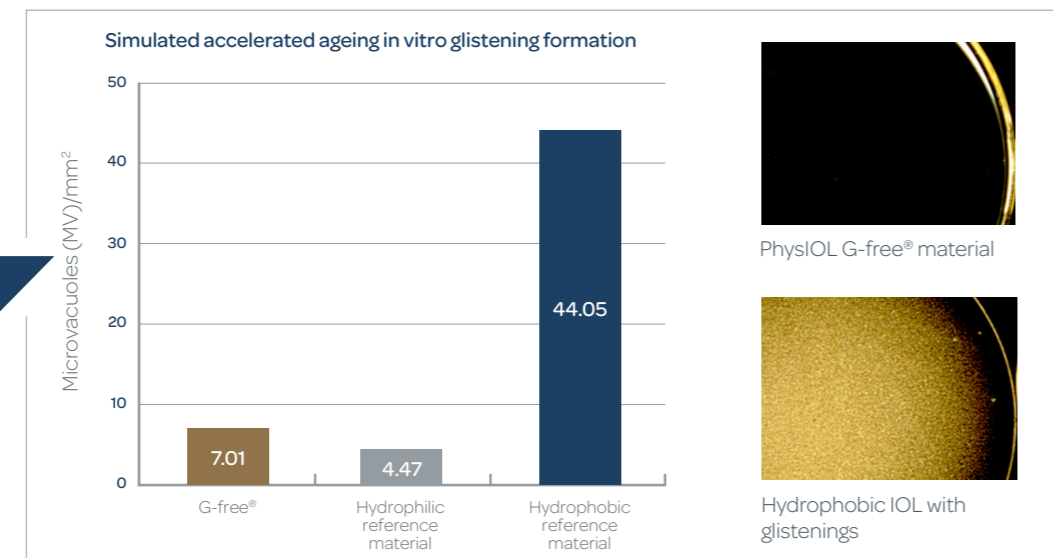
### What do studies say?

**95%** of patients reach complete spectacle independence at all distances.

**97%** of patients treated with FineVision would choose the same IOL again! <sup>(1)</sup>

### G-free® technology: guarantee for purity and safety

**What is the best solution for you and your patients?** Some IOLs on the market develop glistenings after implantation which can impact on the quality of vision. The G-free® technology patented by PhysIOL is **100% glistening-free**.



### What do studies say?

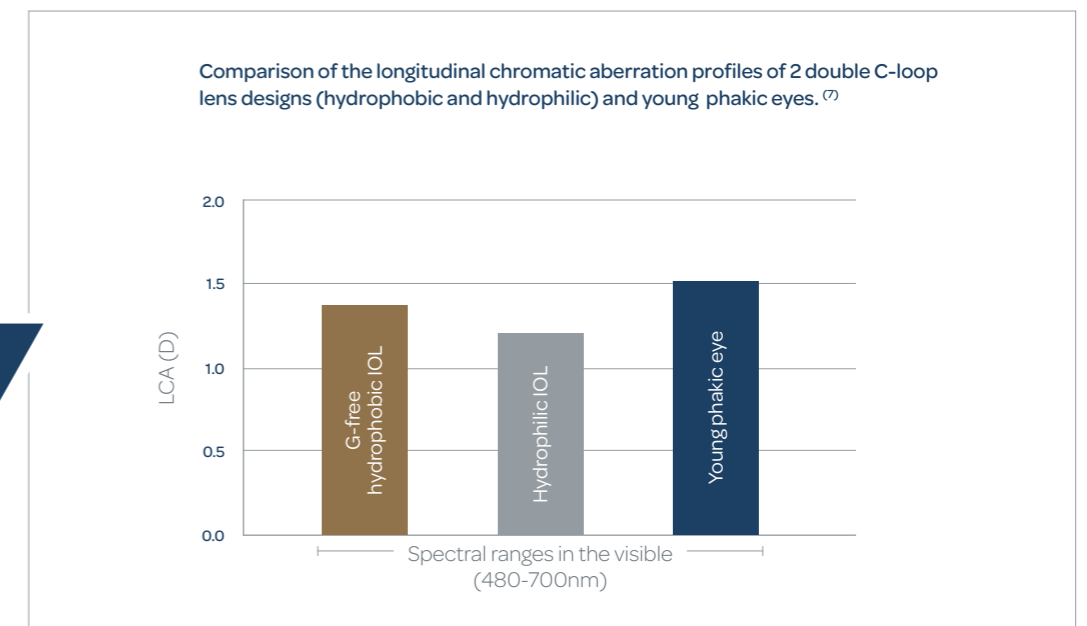
David J. Apple Laboratory demonstrated that FineVision with the G-free® material is glistening-free.

No significant difference in microvacuoles formation was observed with the G-free® material compared to the hydrophilic reference material. <sup>(2)</sup>

**What do studies say?**  
“... chromatic aberrations play a major role in the quality of vision, and LCA interacts with the eye’s natural aberrations to improve the overall quality of vision. I think it’s important to keep the LCA balance that’s present with the crystalline lens, and I think that’s what PhysIOL achieves with this hydrophobic G-free material.” <sup>(6)</sup>

### Physiological chromatic aberration

The PhysIOL G-free® material **mimics** the physiological longitudinal chromatic aberration of a young phakic eye.



# FineVision<sup>HP</sup> technical specifications



FINEVISION<sup>HP</sup>  
TRIFOCAL OPTIC



Commercial name	<b>Pod F GF</b>		
Material	PhysiOL G-free® (hydrophobic acrylic glistening-free)*		
Overall diameter	11.40 mm		
Optic diameter	6.00 mm		
Optic	Biconvex aspheric (-0.11µ SA) trifocal diffractive FineVision		
Haptic design	Double C-loop & RidgeTech®		
Filtration	UV and blue light		
Refractive index	1.52		
Abbe number	42		
Angulation	5°		
Additional power	+ 1.75D for intermediate vision and + 3.50D for near vision		
Injection system	Medicel Accuject 2.0 from 10D to 24.5D Medicel Accuject 2.1 / 2.2 from 25D to 35D		
Incision size	≥ 2.0 mm		
Spherical power	10D to 35D (0.5D steps)		
Square edge	360°		
Nominal manufacturer A constant	119.40		
Suggested A constant**		<b>Interferometry</b>	<b>Ultrasound</b>
	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***: a0; a1; a2	1.70; 0.4; 0.1	1.214; 0.4; 0.1

\* The PhysiOL G-free® is patented since 2010. \*\* Estimates only; surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates. \*\*\* Not optimized.

## References:

(1) R. Bilbao-Calabuig, MD et al.: Visual outcomes following bilateral implantation of two diffractive trifocal intraocular lenses in 10,084 eyes, American Journal of Ophthalmology, July 2017. (2) Biomaterial Optical Purity Report & Appendix 1, G.U. Auffarth, University Hospital Heidelberg, May 2017. (3) Data on file with PhysiOL. (4) F. Poyales, MD, et al.: Stability of a novel intraocular lens design: comparison of two trifocal lenses, J Refract Surg. 2016;32(6):394-402. (5) O. Findl, MD: Capsular bag stability and posterior capsule opacification, Eurotimes, February 2017. (6) S. Marcos, Phd, The Ophthalmologist, April 2017. (7) M. Vinas, MSc et al.: In vivo subjective and objective longitudinal chromatic aberration after bilateral implantation of the same design of hydrophobic and hydrophilic intraocular lenses, J Cataract Refract Surg 2015; 41:2115-2124.

## Other FINE solutions

FINEVISION TRIUMF  
EDOF TRIFOCAL OPTIC



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Note: The PhysiOL intraocular lenses are not FDA approved.



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