

This site is intended for Healthcare Professionals in EMEA only

## ENVISTA® PRELOADED / ENVISTA®

**Trusight™ optic: glistening-free**

The single-piece hydrophobic acrylic IOL glistening-free<sup>1,2</sup>

**StableFlex™ technology: controlled unfolding<sup>3</sup>**

For a smooth and controlled IOL delivery

**Advanced Optics (AO) technology: aberration-free aspheric optic design**

enVista®'s Advanced Optics (AO) technology has been designed to not induce any positive or negative spherical aberration.

- › Neutral to the cornea
- › Less sensitive to decentration<sup>4</sup>
- › Preserves some degree of depth of field<sup>5</sup>
- › Aspheric anterior and posterior surfaces

**AccuSet™ haptics: designed for predictability and stable centration<sup>1,2,6</sup>**

- › Fenestrated haptics designed to prevent transference of stress from the haptic to the optic
- › Haptics designed to maximize the contact angle against the capsular bag

**SureEdge™ design: continuous 360° posterior squareedge to prevent PCO\*<sup>7</sup>**



## PRODUCT INFORMATION

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### MATERIAL

- › Hydrophobic acrylic glistening-free
- › **4% water content**                      4% vandens
- › UV Filter
- › Refraction index: 1.53

### DESIGN

- › Monofocal optic, aspheric, aberration-free, biconvex
- › Modified C-loop haptics design
- › 360° posterior square edge
- › Haptics with fenestration holes
- › Optic diameter: 6.0 mm
- › Overall diameter: 12.5 mm

## IOPTER RANGE

- From 0.00 D to +10.00 D (1.00 D steps)
- From 0.00 D to +34.00 D :
  - From +10.00 D to +30.00 D (0.50 D steps)
  - From +30.00 D to +34.00 D (1.00 D steps)

## ELIVERY SYSTEM

Pre-loaded SimplifEYE™ injection system

Recommended incision size  $\geq 2,2$  mm

## CONSTANTS\*

Optic Constant :

- SRK/T Constant A: 119.1
- ACD: 5.61
- Surgeon factor: 1.85
- Haigis: a0: 1.46 / a1: 0.40 / a2: 0.10

Intrasonic Constant:

- Constant A: 118.7
- ACD: 5.37
- Surgeon factor: 1.62

M. Packer, L. Fry, K. Lavery, R. Lehmann, 'Safety and effectiveness of a glistening-free single-piece hydrophobic acrylic intraocular lens (enVista)'. Clin Ophthalmol. 2013;7:1905–1912. **2.** P. Heiner et al. 'Safety and effectiveness of a single-piece hydrophobic acrylic intraocular lens' (enVista®) – results of a European and Asian-Pacific study. Clinical Ophthalmology 2014;8:629–635. **3.** R&D report ENG16-0675\_08082016. **4.** G. Altmann, et al., 'Optical performance of 3 intraocular lens designs in the presence of decentration'. J Cataract Refract Surg. 2005 Mar; 31:574-85. **5.** B. Johansson, S. Sundelin et al., 'Visual and optical performance of the Akreos Adapt Advanced Optics and Tecnis Z9000 intraocular lenses: Swedish multicenter study', Journal of Cataract & Refractive Surgery. 2007 September; Vol. 33. **6.** Garzon et al., 'Evaluation of Visual Outcomes After Implantation of Monofocal and Multifocal Toric Intraocular Lenses.' J Refract Surg. 2015;31(2):90-97. **7.** Ton Van C., Tran T.H.C: Incidence of posterior capsular opacification requiring Nd:YAG capsulotomy after cataract surgery and implantation of envista®MX60 IOL. Journal francais d'ophtalmologie (2018) 41 : 899-903

## ADDITIONAL PRODUCT INFORMATION

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- [enVista Brochure](#)
- [enVista Loading Guide](#)

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