

ENVISTA® PRELOADED / ENVISTA®

Trusight™ optic: glistening-free

The single-piece hydrophobic acrylic IOL glistening-free^{1,2}

StableFlex™ technology: controlled unfolding³

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 decentration⁴
- Preserves some degree of depth of field⁵
- Aspheric anterior and posterior surfaces

AccuSet™ haptics: designed for predictability and stable centration^{1,2,6}

- 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*⁷

PRODUCT INFORMATION

MATERIAL

- Hydrophobic acrylic glistening-free
- 4 % water content
- 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

DIOPTER 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)

DELIVERY 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

Ultrasonic Constant:

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

1. 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 ENG16-067S_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