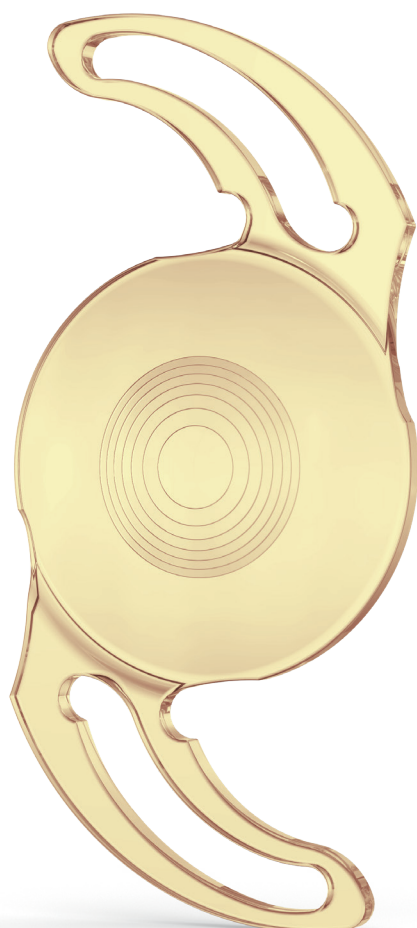




677M | 677MY

Single piece, sterile, foldable acrylic aspheric hydrophilic posterior chamber intraocular lens (IOL) with UV blocker, optionally with blue light filter. The optic is trifocal. The IOL is non-preloaded, which has to be manually loaded into a compatible injector.



CLEAR IOL
677M



YELLOW IOL
677MY

POWER RANGE

Standard Powers

+8.0 D → +30.0 D (0.5 D steps)*

Addition

+3.5 D near
+1.75 D intermediate

MATERIAL

Copolymer of hydrophobic and hydrophilic monomers with 25% water content, UV blocker and optional blue light filter

Refractive Index

1.46

Abbe Number

58

DESIGN

Optic Diameter
Overall Diameter

6 mm

13 mm

Optic Design

Aspheric - Aberration Neutral
Biconvex (+8.0 D → +35.0 D)

Nominal A-constant

118.9

Diffractive Zone

3 mm diameter diffractive array on the
anterior surface utilizing EPS technology

Haptic Design

Posterior vaulting fenestrated C-loops
with 0° angulation

PCO Prevention

360° sharp edge

Shelf Life

5 years after sterilization

INJECTION

Estimated Incision Size

1.8 - 2.2 mm

Recommended Injector

Compatibility chart available:
medicontur.com/professionals/compatibility

CONSTANTS

for optical and immersion ultrasound measurements

SRK/T A-Constant

A = 118.828**
(optimized)

Haigis

a0 = 0.19**
a1 = 0.192**
a2 = 0.173**

Hoffer Q

pACD = 5.431**

Holladay I

SF = 1.682**

Barrett Universal II

LF = 1.79

Holladay II

ACD = 5.45
SF = 1.69

*Extreme powers available: +30.5 D → +35.0 D (0.5 D steps)

**Optimized constants based on more than 400 patients

The safety and performance of Medicontur IOLs have been tested in clinical investigations and the clinical data demonstrate that these IOLs meet the requirements of the state of the art.

MEDICONTUR

677M | 677MY

Trifocal LIBERTY[®]



TRIFOCAL

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