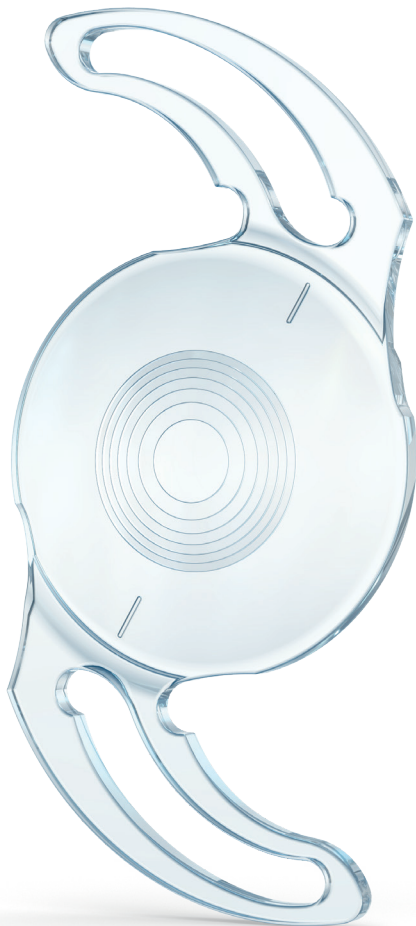




677MT | 677MTY

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



 **CLEAR IOL**
677MT

 **YELLOW IOL**
677MTY

POWER RANGE

Powers

+8.0 D → +30.0 D (0.5 D steps) *

Addition

+3.5 D near
+1.75 D intermediate

Cylinders

1.0 D	1.5 D	2.0 D	2.5 D	3.0 D
3.5 D	4.0 D	4.5 D	5.25 D**	6.0 D**

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

2.2 - 2.4 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)

** available above +10.0 D SEQ ***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

677MT | 677MTY

Trifocal
Toric

LIBERTY[®]



MEDICONTUR

Medicontur
Medical Engineering Ltd
export@medicontur.com
www.medicontur.com

Head Office
Herceghalmi út 1.
2072 Zsámbék
Hungary

International Office
Chemin du Champ-des-Filles 36
1228 Plan-les-Ouates
Switzerland / Geneva