



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
	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	Haigis	Hoffer Q
A = 118.828*** (optimized)	a0 = 0.19*** a1 = 0.192*** a2 = 0.173***	pACD = 5.431***
Holladay I	Barrett Universal II	Holladay II
SF = 1.682***	LF = 1.79	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.



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Trifocal
Toric

LIBERTY[®]



TRIFOCAL

TORIC

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