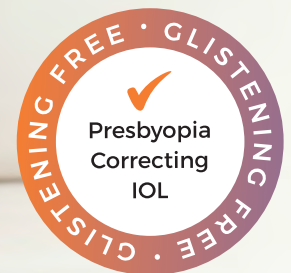


CE
2460

EYECRYL™ *Act*
IOL RANGE

OPTIMALLY
TREATING
PRESBYOPIA



biotech

VISIONCARE

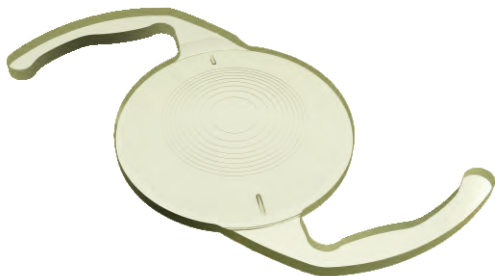


EYECRYL™ Actv



Eyecryl ACTV IOLs are
Diffractive-Refractive Multifocal IOLs
having a series of concentric rings
with diffractive steps.

EYECRYL™ Actv TORIC



Eyecryl ACTV TORIC IOLs are
Diffractive-Refractive Multifocal IOLs
having a series of concentric rings with
diffractive steps and cylindrical correction
for treatment of corneal astigmatism

PROVEN PLATFORMS



Eyecryl ACTV TORIC Aspheric Multifocal
Toric IOLs are manufactured combining,
the proven technologies of
Eyecryl ACTV-Multifocal IOL and
Eyecryl TORIC-Toric IOL, using pre-hydrated
advanced hydrophobic material.



The spacing between the steps gets
progressively closer from the central to outer
diffractive ring of lens. Eyecryl ACTV IOLs use
this technology to provide excellent distance
and near vision along with good
intermediate vision.



Eyecryl TORIC lenses have cylinder power
built into the lens to correct astigmatism
and provides excellent rotational stability.

PROVEN FEATURES OF EYECRYL IOL RANGE

Glistening Free Hydrophobic Material

Aspheric Design with Negative SA to compensate Positive SA of the Cornea and to enhance visual acuity & contrast sensitivity in all lighting conditions

Optimized 'C' haptic design for better stability

Excellent tackiness with capsular bag

Advance 360° square edge

Negligible level of biological contamination having Bacterial Endotoxin even less than 0.25 EU/IOL

Minimal incision size reduces SIA

SPECIAL FEATURES

EYECRYL™ *Activ*

Near addition of + 3.0 D

Pupil independent design with improved spectacle independency

Excellent distance and near vision along with good intermediate vision

Mild glares and halos

Improved visual outcomes in all lighting conditions

EYECRYL™ *Activ* TORIC

in addition to qualities of EYECRYL™ *Activ*

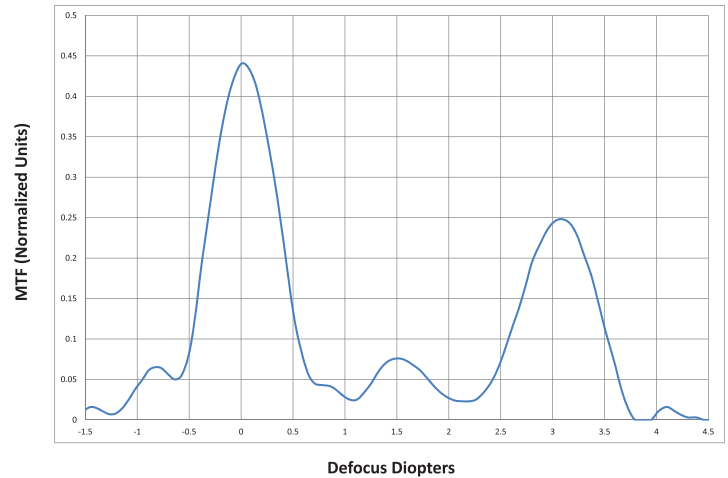
Near addition of + 3.0 D with wide range of cylindrical correction

Excellent rotational stability

Astigmatism correction with predictable outcomes

THROUGH FOCUS CURVE

Through Focus Response curves showing excellent optical performance with range of clear vision having sharp vision across distance and near.



Through Focus Curve EYECRYL ActiV (3.0mm)

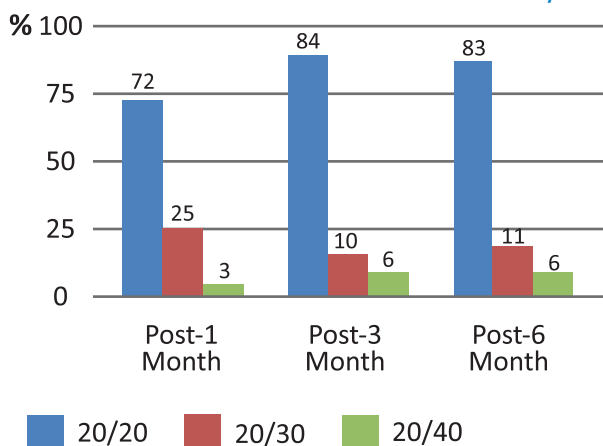


CLINICAL RESULTS

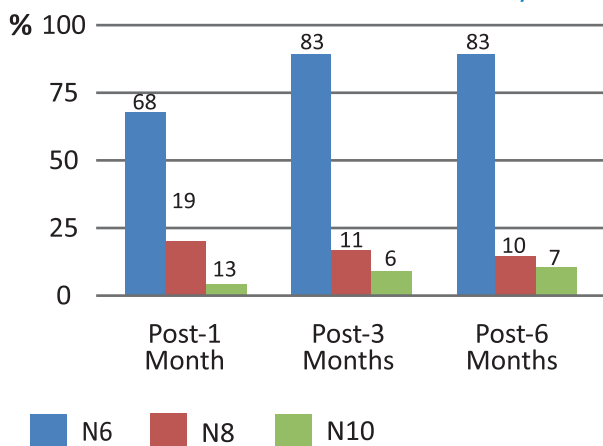
VISUAL ACUITY

Eyecryl ACTV demonstrates excellent unaided visual acuity for far as well as near distances.

Visual Acuity Far

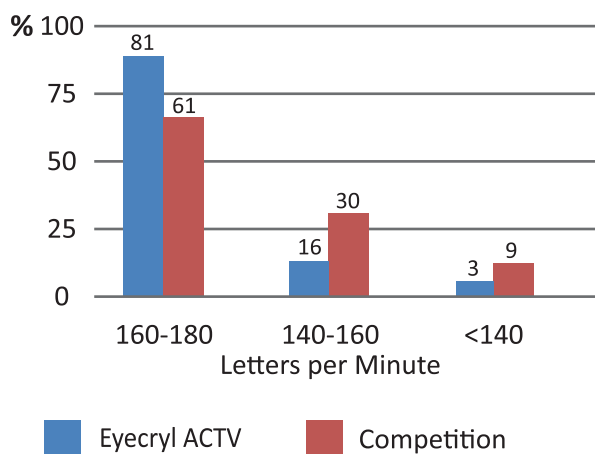


Visual Acuity Near



READING SPEED

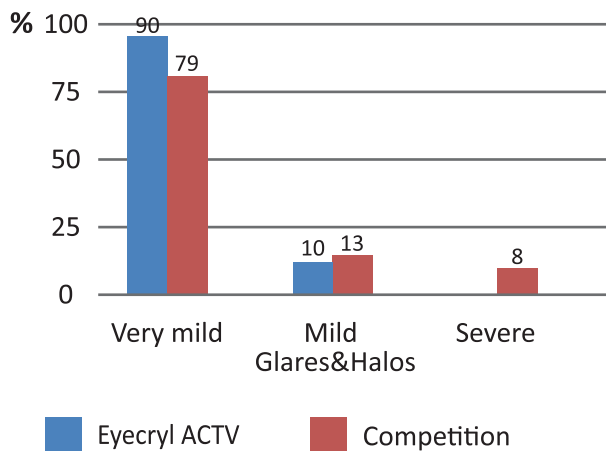
After having implanted Eyecryl ACTV, 81% of the patients can read with speed of over 160 letters per minute.



81%
of the patients can read with speed of over 160 letters per minute

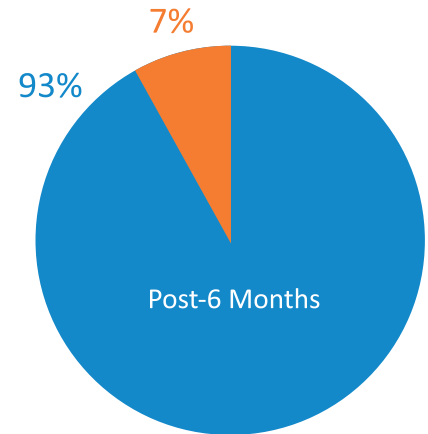
GLARES & HALOS

Round Edge (Unique Design)
reduces internal reflection and
minimizes edge glare.



ROTATIONAL STABILITY

Excellent rotational stability due to advanced hydrophobic material and larger overall length of the lens. Rotational stability for 93% cases, has been observed within $0^{\circ} - 5^{\circ}$.



SIMULATED IMAGES OF VISION THROUGH EYES IMPLANTED WITH EYECRYL[™] ActiV AND EYECRYL[™] ActiV TORIC

Eyecryl ACTV / Eyecryl ACTV TORIC provides excellent distance and near vision with good intermediate vision, thus reduces patient's dependency on glasses for daily activities. Eyecryl ACTV TORIC also corrects pre-existing astigmatism to eradicate requirement of cylindrical glasses for such patients after cataract surgery.



Vision through Eye with
Cataract & Astigmatism



Vision through Eye implanted with
EYECRYL[™] ActiV IOL



Vision through Eye implanted with
EYECRYL[™] ActiV TORIC IOL

SPECIFICATIONS

EYECRYL™ *Activ*

EYECRYL™ *Activ* TORIC

MATERIAL	Hydrophobic Acrylic Containing Natural Chromophore		Hydrophobic Acrylic Containing Natural Chromophore	
OPTIC TYPE	Single Piece, Diffractive-Refractive, 360° Square Edge with Aspheric Optic		Single Piece, Diffractive-Refractive, 360° Square Edge with Toric Aspheric Optic	
NEAR ADDITION	+3.0 D		+3.0 D	
OPTIC SIZE	6.00 mm		6.00 mm	
OVERALL SIZE	13.00 mm		13.00 mm	
ANGULATION	0		0	
ACD	5.28		5.28	
REFRACTIVE INDEX	1.483		1.483	
ESTIMATED A-CONSTANTS	118.5		118.5	
	SRK - T : 118.7	SRK - II : 118.9	SRK - T : 118.29	SRK - II : 118.51
RECOMMENDED OPTICAL A-CONSTANTS	Holl 1 Const SF : 1.63	HOFFER Q ACD : 5.42	Holl 1 Const SF : 1.28	HOFFER Q ACD : 5.07
	HAIGIS $\alpha 0:1.240, \alpha 1:0.40, \alpha 2:0.10$	Olsen ACD 4.47	HAIGIS $\alpha 0:0.839, \alpha 1:0.40, \alpha 2:0.10$	Olsen ACD 4.18
DIOPTRER RANGE	From +7.5 to +30.0 D (with 0.5 D steps)		From +10.0 to +30.0 D (with 0.5 D steps)	
IMPLANTATION SITE	Capsular Bag		Capsular Bag	
STERILIZATION	Irradiation		Irradiation	

A woman with short, wavy grey hair and a light blue button-down shirt is leaning over a young child with blonde hair. They are both looking at a purple folder held by the woman. The woman has a slight smile and is speaking. The child is looking down at the folder with a focused expression. The background is a soft, out-of-focus indoor setting.

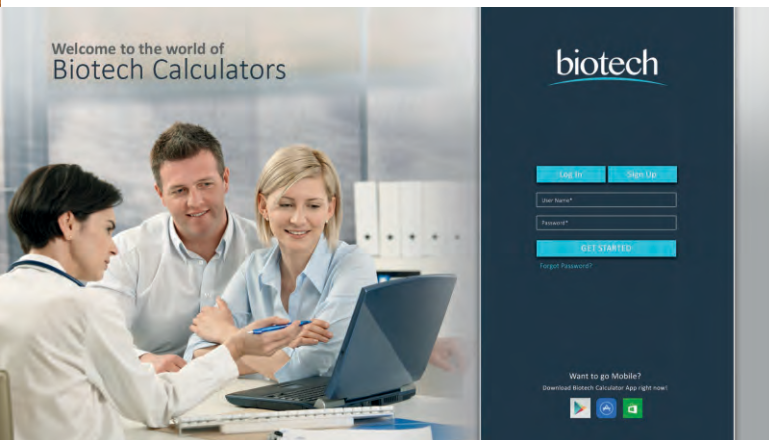
USER FRIENDLY
AND ACCURATE
EYECRYL™ *Activ* TORIC
CALCULATOR

Biotech Eyecryl ACTV TORIC Calculator is user friendly, considers "Posterior Curvature of Cornea" and provides options to choose suitable IOL model with predictable post-operative outcomes.

MODELS AVAILABLE EYECRYL™ *Active* TORIC

MODEL	NEAR ADDITION	CYLINDER POWER		Recommended Range of CORNEAL ASTIGMATISM CORRECTION
		AT IOL PLANE	AT CORNEAL PLANE*	
HFYD-05	+3.0 D	1.00 D	0.68 D	0.25 D - 0.86 D
HFYD-10	+3.0 D	1.50 D	1.03 D	0.87 D - 1.25 D
HFYD-20	+3.0 D	2.25 D	1.54 D	1.26 D - 1.75 D
HFYD-30	+3.0 D	3.00 D	2.05 D	1.76 D & above

To choose suitable Eyecryl ACTV TORIC model, please log on to



Download Mobile App for Biotech Calculators





Scan For Surgery Video



EYECRYLACTV TROIC



EYECRYLACTV