

Innovative in Accessibility

Aurolab's advanced optical technology makes VIVID a compelling choice for your patients, on par with any international lenses. But it also goes a step further. The accessibility of this product allows you to offer the high performance of a global brand to every single one of your patients considering cataract surgery.



Range of vision	FUNCTIONAL NEAR 40 CM and above	INTERMEDIATE (66 CM)	FAR (4 M+)
	Functional near vision Reduced need for glasses 		
Monofocal IOL	Glasses often required 	Glasses often required 	

Technical Specification :

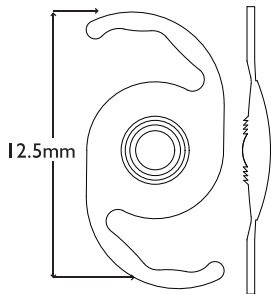
Design Characters :

- Optic Diameter : 6.00 mm
- Overall Length : 12.5 mm
- Optic Design : Hybrid diffractive & refractive design with zero aberration optic
- Haptics Design : Force enduring haptics
- Convexity : Biconvex
- Angulation : 3° Angulation
- Square Edge : 360° square edge
- A constant : 118.4 (Ultrasound)
118.7 (Optical)
- ACD Value : 5 mm
- Diopter Range : 10.0 to 30.0 in 1.0 D
15.0 to 25.0 in 0.5 D
- Delivery System : Disposable preloaded injector and cartridge with 2.8mm incision

Material Characteristics :

- Lens Material : Hydrophobic Acrylic
- 10% UV cut off : 385 nm
- Light Transmittance : More than 90%
- Clarity of the optic : 99%
- Haze of the optic : Less than 1.5%
- Glass Transition Temperature : 8°C
- Refractive Index : 1.47

Model No.: HP760EDF



Information published in this catalogue is subject to change without notification
No 1, Sivagangai Main Road, Veerapanjan, Madurai 625 020, India.
+91- 94892 12354 / +91 452 3596100
info@aurolab.com www.aurolab.com

Issue : 03 - 02/23

CONTINUOUS FOCUS VISION IOL
A GENERATION AHEAD

Vivid
Hydrophobic aspheric acrylic
foldable intraocular lens



Introducing Aurovue VIVID, the brand-new Continuous Focus Vision Intraocular Lens (CFV IOL) made in India, for the world. Our newest offering is leagues ahead of similar lenses, and a fitting addition to the Aurolab commitment to providing superior solutions and advanced ophthalmic products to those who need it the most.

VIVID takes forward the legacy of India’s leading ophthalmic products and solutions company, and give surgeons like you the ability to offer all your patients ultra-smooth vision across distances, great clarity, and sharper colour, with minimum need of spectacles, in most cases, post-surgery.

Innovative in Material

To deliver a revolutionary IOL, Aurolab began from the ground up, creating the proprietary hydrophobic Aurovue that enables great comfort and sharp vision across focal distances for the patient, while remaining easy to handle for doctors. As a result, VIVID delivers the highest optical clarity among IOLs.

MATERIAL COMPARISON			
Feature	Aurovue	Alcon	J & J
Transmittance	92%	91-92%	92%
Clarity	> 99%	NA	NA
Haze	< 1.5%	NA	NA
ABBE Number	55	37	55
Glistening	Nil	NA	Nil
Tg (°C)	8	15	14
Bio Adhesion	High	High	High
Bio Compatible	On par	On par	On par
Refractive Index	1.47	1.55	1.47

Aurolab's Aurovue hydrophobic material scores highly on all these parameters

A

B

Transmittance (B/A)
90-92%

Clarity 99%

Haze 1.5%

E & O.E Ref: Based on respective product information and company data. NA: Data not available *Ref..Internal study
Lower the ABBE number, higher the colour dispersion which will result in failure of the lens to bring all wavelengths of all colour to the same focal point

Innovative in Efficacy

Research shows us that VIVID enjoys a high rate of success, with patients reporting a great amount of post-operative comfort, and improved quality of life. Surgeons, too, have commended its optical performance. In addition, they appreciate it’s excellent bio-adhesion, enabling a high degree of bio-compatibility, and resulting in post-operative success. Its optimized tackiness makes it easy to implant, while ensuring the absence of any gaps.

BINOCULAR DEFOCUS CURVES - COMPARISON

LogMAR

— Aurolab VIVID — Vivity — Tecnis Synergy

Inference: Aurovue VIVID maintains logMAR value of 0.2 of better VA from 40cm to distance vision
For understanding: Lower the logmar value better the visual outcome.
Vivid offers good distance, Intermediate and functional near vision

	Aurovue VIVID	Acrysof IQ Vivity	Tecnis Synergy
Plus 1.5	0.22	0.4	0.45
Plus 1	0.07	0.23	0.28
0.5	0.02	0.07	0.07
0	0	-0.02	0
Minus 0.5 (2 meter)	0.05	0	0.07
Minus 1.0 (1 meter)	0.02	0.06	0.13
Minus1.5 (66 cm)	0.18	0.1	0.08
Minus 2 (50 cm)	0.2	0.19	0.04
Minus 2.5 (40 cm)	0.29	0.35	0.05

CONVERSION TABLE	
LogMAR Value	Snellen Value
0.3	6/12
0.2	6/9.5
0.1	6/7.5
0	6/6

While the ophthalmic community chooses VIVID for its advanced technology and proven success, patients appreciate its superior performance, advanced comfort. and trouble-free vision, night or day.

FUNCTIONAL NEAR (40 CM) and above

INTERMEDIATE (66 CM)

FAR (4 M+)

Innovative in Design

Aurovue VIVID employs hybrid design lens technology that innovatively combines refractive and diffractive optical surfaces to provide a continuous range of vision that closely mimics the accommodative function of the natural lens. Much like the eye effortlessly switches focus, Aurolab’s most advanced IOL - VIVID employs Smooth Edge Technology™ to create smoother transition in resolution between functional near, intermediate, and far distances - covering from functional near vision (40 cm) onwards and intermediate (60 cm), to distance (4M and beyond) without perceptible visual disturbance. Unlike conventional diffractive designs, which lead to optical discomfort and blurry vision at certain distances, VIVID’s hybrid design offers a superior optical performance with much smoother angles.

SMOOTH
CONTINUOUS
FOCUS VISION

SmoothEdge
TECHNOLOGY

The four concentric rings at the centre of the IOL are a result of VIVID’s combination of diffractive & refractive design to increase the range of focus. This proprietary technology minimizes light scattering and consequently, visual side effects, allowing patients greater visual comfort, even in low light condition. Since VIVID’s contrast sensitivity adjusts well to both mesopic and photopic conditions.

In addition, Aurolab’s commitment to quality ophthalmic manufacturing ensures complete precision and stellar performance that offer patients with minimum need of spectacles at most times and doctor’s post operative success