








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.



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

Technical Specification :

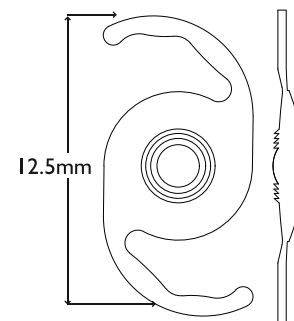
Design Characters :

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
Dioptr 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
100% 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



For a demo or more information on how your patients can benefit from VIVID,
call Aurolab Sales at 1800 103 7321, or email us at info@aurolab.com

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**CONTINUOUS FOCUS VISION IOL
A GENERATION AHEAD**

Vivid
Hydrophobic aspheric acrylic
foldable intraocular lens

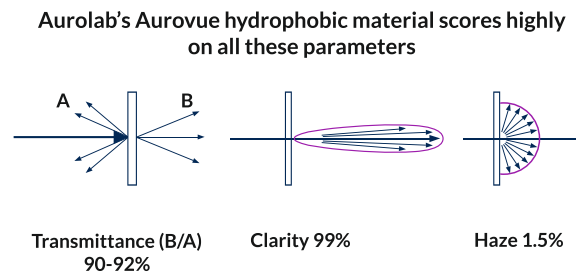
Introducing Aurovue VIVID, the brand-new Continuous Focus Vision Intraocular Lens (CFV IOL) made in India, for the world. Our newest offering is leagues ahead of similar lenses, and a fitting addition to the Aurolab commitment to providing superior solutions and advanced ophthalmic products to those 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, without 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



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 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 near, intermediate, and far distances - covering from functional near vision(40 cm), 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.

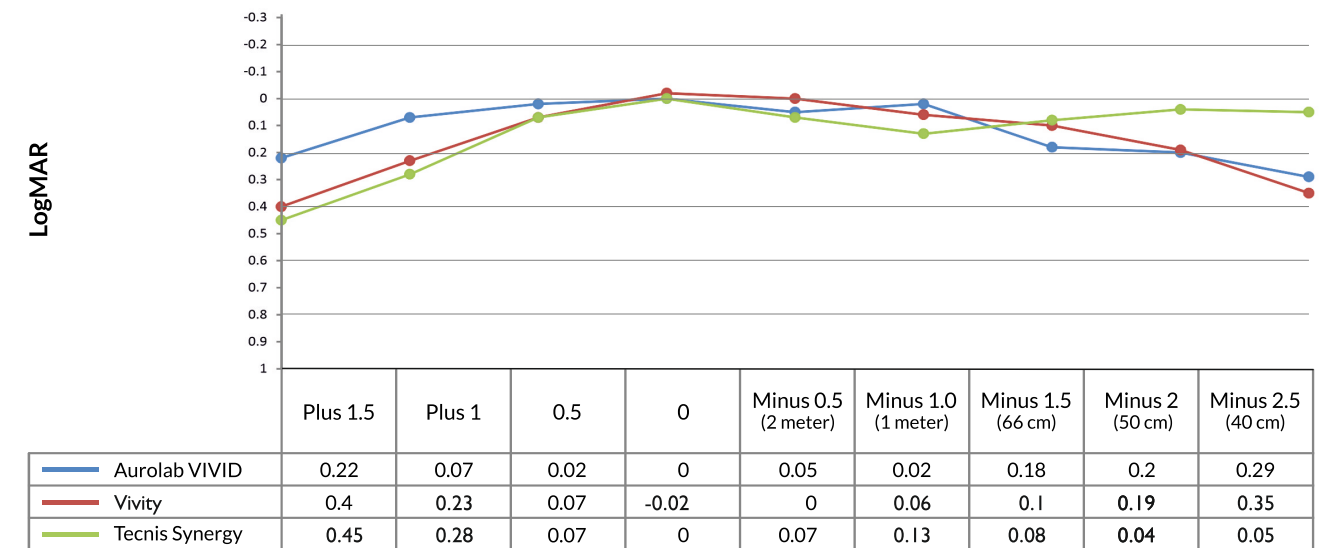


The four concentric rings at the centre of the IOL are a result of VIVID's combination of diffractive & refractive design to increase the range of focus. This proprietary technology minimizes light scattering and consequently, visual side effects, allowing patients greater visual comfort, especially at night, 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 independence from spectacles at most times and doctor's post operative success

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



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 intermediate vision between 2 meter to 50cm.

	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
Minus 1.5 (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.

