



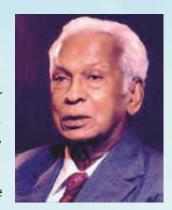
ARAVIND EYE CARE SYSTEM

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# **CONCEPTION**

The guiding force behind Aurolab was Dr. Govindappa Venkataswamy (Dr.v) the visionary founder of Aravind Eye Care system (AECS). Dr. V relentlessly pursued a vision of providing high quality, affordable eye care to all. By the mid - eighties, one of ophthalmology's greatest inventions the IOL (Intra ocular lens) had transformed cataract surgery in the developed world. Back home, Dr.V noticed that a large number of patients with cataract could be effectively treated by using an IOL and the only deterrent was the cost, considering that the lenses were highly expensive. He decided that these lenses had to be made available to all and set to think towards making it a reality.



**Dr. Govindappa Venkataswamy**Founder - Aravind Eye Care System (AECS)

# **COMPANY PROFILE**

Aurolab is a sophisticated facility involved in the manufacturing of a wide range of high quality ophthalmic consumables and advanced equipments. Founded in 1992 in Madurai, Tamilnadu, a state in South India, Aurolab is an initiative of Aravind Eye Care System, a South India based multi-location, speciality eye care centre and one of the largest facilities in the world.

The result of a passion and drive of a few far - thinking individuals led by the inimitable Dr. Govindappa Venkataswamy (Dr.V), Aurolab was setup with a vision of producing affordable Intraocular Lenses (IOLs) in great demand considering the large number of patients who visited Aravind for cataract surgery. Since the cost of imported IOLs was high (around US\$ 100), it was decided to manufacture these lenses locally to make them cost effective.

Celebrated its 25th year in 2016, Aurolab has grown to be recognized as among the leading names in all essential ophthalmic supplies and equipments. The company's five fullfledged divisions produce a range of products including intraocular lenses, surgical sutures, surgical blades, pharmaceutical products, and equipments. Today, Aurolab's products are exported to over 160 countries, taking the vision of providing quality affordable eye care to all far beyond the boundaries of its place of birth.



## **Intraocular Lens Division**

Today, with 8 out of 100 IOLs implanted world wide being Aurolab's, the intraocular lenses made at Aurolab are well recognized and have created a lot of goodwill in the global ophthalmic community.

Hydrophobi	c IOL's	Hydrophilic IOL's
·	- Hydrophobic Multifocal IOL	Auroflex Toric - Hydrophilic Toric IOL  Auroflex EV Gold - Hydrophilic Negative  Aspheric Yellow IOL
Aurovue EV Toric Aurovue EV Gold	, ,	Aspheric fellow IOE  Auroflex EV - Hydrophilic Negative  Aspheric IOL
Aurovue EVPL	- Hydrophobic Aspheric Preloaded IOL	Auroflex / Aurofold - Hydrophilic Aspheric IOL I-Vision - Hydrophilic IOL
Aurovue	- Hydrophobic IOL	

<b>Hard Lenses</b>	Posterior Chambe	r	
Truedge Aspheric	- 360° Square Edge IOL	Aurolens	- Three Piece PC IOL
Aurolens	- Negative Power IOL   Low Power IOL	Aurolens	- Scleral fixation IOL
Auroped	- Pediatric IOL	Aurogold	- Yellow PMMA IOL
<b>Anterior Chambe</b>	r	Aurolens	- Single piece IOL



# Dfine

Hydrophobic diffractive preloaded multifocal IOL with near addition of +3D

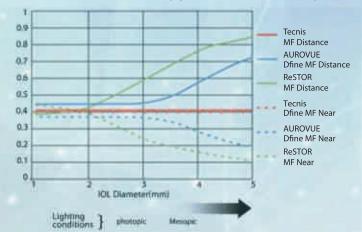
➤ Preloaded IOL ➤ Truedge Optic ➤ Negative Aberration

### **Designed with precision in sight**

- ▼ 11 diffractive zones with the combination of apodized and unapodized design to provide spectacle free vision
- Uniquely designed optic for uncompromised near and distance vision
- ➤ Force enduring haptics to provide larger contact with the capsular bag for better centration and stability
- ➤ Negative aberrated optic to provide better contrast sensitive vision

### Hydrophobic Multifocal Aspheric IOL

### **Diffraction energy balance diagram**



### **Aurovue Dfine clinical results**

Number of patients implanted with Dfine MFIOL

Bilaterally : 160 patients

Study period : 2 years (one year completed)
Visual acuity : Both eyes (1 year post OP result)

Visual acuity - Both eyes (1 year Post-op result)

No. of patients - 138					
UCBDVA % UCBNVA %					
6/6p or better	92.75	N6	98.55		

Complete Spectacle independence in 93% cases

UCBDVA - Un corrected bilateral distance visual acuity UCBDVA - Un corrected bilateral near visual acuity

### **Diopter Range**

10.0 D to 15.0 D in 1.0 D increments 15.0 D to 25.0 D in 0.5 D increments 26.0 D to 30.0 D in 1 D increments Based on optical design, optical bench measurements and numerical simulations

- · Superior image quality at distance vision compared to Tecnis Multifocal
- · Superior image quality at near vision compared to ReSTOR Multifocal

### **Angle Kappa Device for Screening Multifocal Patients:**

With recent advancements in premium IOL implantation achieving the best Postoperative results need a screening tool to ensure that the patient is eligible for multifocal IOL. To make the screening process easier and effective we have designed a compact device to fit in any slit lamp tonometer mount to measure the angle kappa value in linear distance. This angle kappa value measurement is one of the important parameter to select the right patients for multifocal IOL avoiding postoperative visual disturbance error. The device works with computer and software provided along with it.



#### **Software Feature:**

- Organized Patient Management workflow for capturing and to calculate the values
- Patient Search option for follow up cases
- Image Capture made easier with automatic image capture so the device captures the image once it gets focused
- Tools for measuring the pupil size and angle alpha in the linear distance provided in addition to the software

### **Package Contents:**

- One 14" Laptop with hardware configuration Pentium Core i3, 4GB RAM, 1TB HDD Laptop
- USB Cable Tonometer mounts Screener software

### **Aurovue Dfine**

Suited for cataract patients with presbyopia seeking spectacle - free vision for everyday activities Glistening-free optic to reduce discomfort to patient
High Abbe number of 55 with less chromatic aberration
optimal refractive index of 1.47 reduces reflection and
visual disturbance

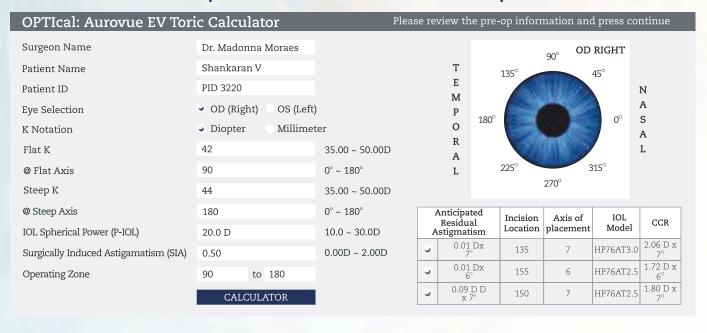
Pre-loaded disposable delivery system Adaptability to different capsular bag sizes Negative Spherical aberration of -0.07µ



### **Designed for accuracy**

- Wider diopter range for correcting corneal astigmatism: 1.5 D to 6.0 D with increments of 0.5 D, for added precision and adaptability
- Round-edged anterior surface with toricity treats astigmatism effectively
- Truedge Technology: 360° square edge posterior reduces chances of PCO
- Markings ensure precise alignment, even with smaller pupil sizes
- Force-enduring haptics with modified C-loop design; holds lens in place within capsular bag of the eye

### http://www.aurolab.com/aurovuetoric/calc.aspx



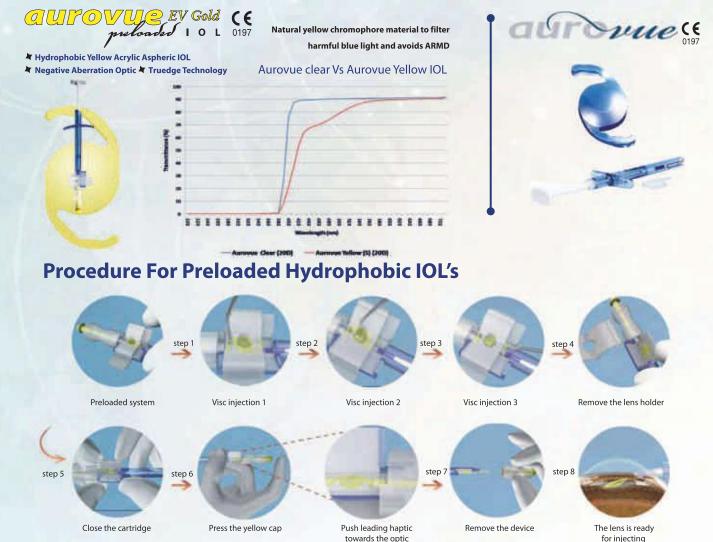
# aurovie EV CE

- ➤ Hydrophobic Acrylic Aspheric IOL ➤ Negative Aberration Optic
- ▼ Truedge Technology
  ▼ Preloaded Disposable Delivery System



### **Special Features**

- ▼ Effectively reduces PCO
- Low glass transition temperature
- ◄ Higher ABBE number: 55
- Force enduring haptics, greater stability
- Adaptability to different capsular sizes
- Optimal refractive index, less reflection
- Memory in the capsular bag
- Comes with a disposable delivery system
- Excellent bio compatibility
- Glistening free optic



<b>Brand Name</b>	Dfine	MULTIPIECE PRELOADED FOLDABLE IOL	EV Toric
Optic Diameter	6.0 mm	6.0 mm	6.0 mm
Overall Length	12.5 mm	13.5 mm	13 mm
Optic Design	Apodized diffractive Aspheric (Negative Aberration)		Aspheric with Anterior Surface Toric
Haptic Design	Force enduring haptics	Modified 'C' loop	Force enduring haptics
Convexity	Bi-Convex	Bi-Convex	Bi-Convex
Angulation	3°	5°	3°
Square Edge	360° Not Applicable		360°
A Constant	118.4 ( Ultrasound ), 118.7 (Optical)	118.4 ( optical )	118.4 ( Ultrasound ), 118.7 (Optical)
ACD Value	5.0 mm	5.0 mm	5.0 mm
Diopter Range	10.0 D to 15.0 D in 1D 15.0 D to 25.0 D in 0.5 D 26.0 D to 30.0 D in ID	10.0 D to 15.0 D in 1D 15.0 D to 25.0 D in 0.5 D 25.0 D to 30.0 D in 1D	Cylinder power 1.5 D to 6.0 D in 0.5 Spherical power 10.0 D to 30.0 D in 1.0 Spherical power 15.0 D to 25.0 D in 0.5
Delivery System	Preloaded Inj & Cart	Preloaded Inj & Cart	Preloaded Inj & Cart
Model Number	Aurovue Dfine - HP760AD3	Aurovue Multipiece - HP3600P	Aurovue EV Toric - HP76AT1.5 - 6.0
Incision Size	2.8 mm 2.2 mm ( Wound Assisted )	3.2 mm	2.8 mm 2.2 mm ( Wound Assisted )
Glass Transition Temp	8°C	8°C	8°C
Refractive Index	1.47	1.47	1.47



<b>Brand Name</b>	aurovue, F.V.	QUITOVUE EV Gold preloaded 10 L	alrovue
Optic Diameter	6.0 mm	6.0 mm	6.0 mm
Overall Length	12.5 mm	12.5 mm	12.5 mm
Optic Design	Aspheric (Negative Aberration)	Aspheric (Negative Aberration)	Spherical
Haptic Design	Force Enduring Haptics	Force Enduring Haptics	Force Enduring Haptics
Convexity	Biconvex	Biconvex	Biconvex
Angulation	3° Angulation	3 <sup>o</sup> Angulation	3° Angulation
Square Edge	360° Square Edge	360° Square Edge	-
A Constant	118.4 ( Ultrasound ), 118.7 (Optical)	118.4 ( Ultrasound ), 118.7 (Optical)	118.4 ( Ultrasound ), 118.7 (Optical)
ACD Value	5 mm	5 mm	5 mm
Diopter Range	10.0D to 25.0D in 1.0D 15.0D to 25.0D in 0.5D	10.0D to 25.0D in 1.0D 15.0D to 25.0D in 0.5D	10.0D to 15.0D in 1.0D 15.0D to 30.0D in 0.5D
Delivery System	Preloaded Inj & Cart	Preloaded Inj & Cart	Non-Preloaded Inj & Cart
Model number	Aurovue EV Preloaded HP760AP	Aurovue EV Gold HP760APY	Aurovue HP7600
Incision Size	2.8 mm 2.2 mm (Wound Assisted)	2.8 mm 2.2 mm (Wound Assisted)	2.8 mm 2.2 mm (Wound Assisted)
Glass Transition Temp	8° C	8° C	8° C
Refractive Index	1.47	1.47	1.47

	OPTICAL										
									Hoffer Q	Holladay1	Holladay2
Material	Brand Name	Model	Manufacturer	SRK II	SRKT	Haigis a0	a1	a2	pACD	SF	ACD
PMMA	Aurolens	For all models	118.50	118.78	118.5	0.978	0.400	0.100	5.20	1.42	5.257
FIVIIVIA	Truedge		118.00	118.15	118.00	0.647	0.400	0.100	4.88	1.10	4.965
	l vision	FH560I	118.00	118.15	118.00	0.647	0.400	0.100	4.88	1.10	4.965
Hydrophilic	Auroflex / Aurofold	FH5600SQ	118.00	118.15	118.00	0.647	0.400	0.100	4.88	1.10	4.965
	Auroflex EV	FH5600AS	118.00	118.15	118.00	0.647	0.400	0.100	4.88	1.10	4.965
	Aurovue	HP7600	118.70	119.03	118.70	1.110	0.400	0.100	5.33	1.55	5.374
Hydrophobic	Aurovue EV preloaded	HP760AP	118.70	119.03	118.70	1.110	0.400	0.100	5.33	1.55	5.374
пушорновіс	Aurovue Dfine	HP760AD3	118.70	119.03	118.70	1.110	0.400	0.100	5.33	1.55	5.374
	Aurovue EV Gold	HP760APY	118.70	119.03	118.70	1.110	0.400	0.100	5.33	1.55	5.374

# **Hydrophobic Ranges of Aurolab**

# Hydrophilic IOL

### **General Features:**

- Dual haptic which enables fibrosis development for better fixation
- Less sensitive to tilt and decentration
- Enhanced functional vision in low light conditions
- Supplied with sterile disposable delivery system to ensure safety to the patient



<b>Brand Name</b>	auroflex (6	auroflex EV (6	auroflex EV Gold	I - VISION
Diopter Range	-5.0 D to 40.0 D (10.0D to 30.0D in 0.5D increment)	10.0 D to 30.0 D (15.0D to 30.0D in 0.5D increment)	10.0 D to 30.0 D (15.0D to 30.0D in 0.5D increment)	5.0 D to 10.0 D (10.0D to 30.0D in 0.5D increment)
Incision Size	2.8 mm / 2.2 mm	2.8 mm / 2.2 mm	2.8 mm / 2.2 mm	2.8 mm / 2.2 mm
Refractive Index	1.460	1.460	1.460	1.460
Haptic Design	Dual Haptic	Dual Haptic	Dual Haptic	Dual Haptic
Optic Design	Aspheric Aspheric	Aspheric	Aspheric	Spherical
Optic Diameter	6 mm	6 mm	6 mm	6 mm
Overall Diameter	12 mm	12 mm	12 mm	12 mm
Square Edge	360° Posterior Square Edge	360° Posterior Square Edge	360° Posterior Square Edge	360° Posterior Square Edge
Angulation	O°	O°	O°	O°
A constant	118.0(optical) 117.8(Ultra Sound)	118.0(optical) 117.8(Ultra Sound)	118.0(optical) 117.8(Ultra Sound)	118.0(optical) 117.8(Ultra Sound)
ACD	5.0 mm	5.0 mm	5.0 mm	5.0 mm

### I - VISION

### **Features:**

- ➤ Hydrophilic foldable IOL ➤ UV Absorbing p-HEMA (26% water content)
- ◄ I-Vision IOLs are made up of proven, biocompatible acrylic material imported from the USA and can be implanted through 2.8mm incision
- Dual haptic design for smooth insertion and proper centering in the ocular bag
- ◄ I-Vision is supplied with disposable sterile injector with preloaded cartridge



# Hydrophilic IOL





### **Diopter Range**

Cylinder power 1.5 D to 6.0 D in 0.5 increments Spherical power 10.0 D to 30.0 D in 1.0 increments Spherical power 15.0 D to 25.0 D in 0.5 increments

Lens model	In IOL plane	In Corneal plane
FH560T1.5	1.5	1.03
FH560T2.0	2.0	1.37
FH560T2.5	2.5	1.71
FH560T3.0	3.0	2.05
FH560T3.5	3.5	2.40
FH560T4.0	4.0	2.75
FH560T4.5	4.5	3.06
FH560T5.0	5.0	3.40
FH560T5.5	5.5	3.75
FH560T6.0	6.0	4.06



### **Rotational Stability**

Auroflex design with dual haptics and large surface area of contact with the capsular bag provides excellent stability for the IOL post implantation

# Truedge Technology to prevent PCO



In normal IOL, cells may migrate behind the lens



In IOL with Truedge technology, cell migration is blocked



0.1mm projection at the optic-haptic junction prevents cell migration even through the haptic

### **Precision - 0.5 D increment**

Aurolab offers the cylindrical power in steps of 0.5 D thereby giving you flexibility to precisely correct the refractive error of your patients

### **Toric Calculation**

OPTIcal is a website designed to help you choose the right Auroflex Toric IOL for patients- **www.aurotoric.com** 

# **Hard Lenses**

				ERO ABERRATION Modified "C" Loop, A co		0 mm
	Model	Optic Dia mm	Position Holes	Over all Diameter (mm)	Angulation	Diopter Range
	TRUEDGE- WI	TH ABERRATIO	NS FREE OPT	ICS		
	S362SQAS	6.00	2	12.50	10°	10.0 D to 30.0 D
						15.0 to 25.0 in 0.5 D
TRUE	DGE - 360° SQ	<b>UARE EDGE</b>	POSTERIOF	R CHAMBER IOLs		
UV ABso	orbing PMMA, Equ	iconvex Optic, N	Nodified "C" Loc	op, A constant : 118.5 A	ACD: 5.0 mm	
	Model	Optic Dia mm	Position Holes	Over all Diameter (mm)	Angulation	Diopter Range
	S3550SQ	5.50	0	12.00	10°	10.0 D to 30.0 D
						15.0 to 25.0 in 0.5 D
UV Abso	orbing PMMA, Equ	iconvex Optic, N	Nodified "C" Loc	op, A constant : 118.5 A	ACD: 5.0 mm	
	Model	Optic Dia mm	Position Holes	Over all Diameter (mm)	Angulation	Diopter Range
	AUROPED-PA	EDIATRIC INTR	AOCULAR LE	NS		
	S3550PSQ	5.50	0	10.25	10º	10.0 D to 30.0 D
						15.0 to 25.0 in 0.5 D
UV and	Blue Light Absorb	ing Yellow PMM	A , Equiconvex	Optic, and Modified "C	C" Loop, A constant: 1	185 , ACD: 5.0 mm
	Model	Optic Dia mm	Position Holes	Over all Diameter (mm)	Angulation	Diopter Range
	AUROGOLD					
	S3602SQY	6.00	0	12.50	<b>10</b> °	10.0 D to 30.0 D
						15.0 to 25.0 in 0.5 D

### **AUROLENS- SINGLE PIECE POSTERIOR CHAMBER IOLS**

UV Absorbing PMMA, Equiconvex Optic, and Modified "C" Loop, A constant: 118.5, ACD: 5.0 mm

Model	Optic Dia mm	Position Holes	Over all Diameter (mm)	Angulation	Diopter Range
S3652	6.50	2	13.50	10º	10.0 D to 30.0 D in 0.5 D
S3602L	6.00	2	13.00	10º	10.0 D to 30.0 D
					15.0 D to 25.0 D in 0.5 D
S3602	6.00	2	12.50	10º	6.0 D to 40.0 D
					10.0 D to 30.0 D in 0.5 D
S3600L	6.00	0	13.00	10º	10.0 D to 30.0 D
					15.0 D to 25.0 D in 0.5 D
S3600	6.00	0	12.50	10º	10.0 D to 30.0 D
					15.0 D to 25.0 D in 0.5 D
S3550L	5.50	0	12.50	10º	10.0 D to 30.0 D
					15.0 D to 25.0 D in 0.5 D
S3550	5.50	0	12.00	10º	6.0 D to 40.0 D
					10.0 D to 30.0 D in 0.5 D
S3500	5.00	0	12.00	10º	6.0 D to 40.0 D
					15.0 D to 25.0 D in 0.5 D
S3525	5.25	0	12.00	10º	10.0 D to 30.0 D
					15.0 D to 25.0 D in 0.5 D

# **Hard Lenses**

#### **AUROLENS-SCLERAL FIXATION IOLS**

UV Absorbing PMMA, Equiconvex Optic, Modified "C" Loop, A constant: 118.5 ACD: 5.0 mm, 2holes in haptics at 180°

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1		ì
0	-	1

Model	Optic Dia mm	Position Holes	Over all Diameter (mm)	Angulation	Diopter Range
SC6530	6.50	0	13.00	10º	6.0 D to 30.0 D
					15.0 to 25.0 in 0.5 D

### **AUROLENS - SINGLE PIECE ANTERIOR CHAMBER IOLS**

UV Absorbing PMMA, Equiconvex Kelmann Multiflex, 4 Point Fixation, A constant: 115.3, ACD: 3.0 mm



Model	Optic Dia mm	Position Holes	Over all Diameter (mm)	Angulation	Diopter Range
A5520	5.50	0	12.00	10º	10.0 D to 30.0 D
					15.0 to 25.0 in 0.5 D
A5525	5.50	0	12.50	<b>10</b> °	10.0 D to 30.0 D
					15.0 to 25.0 in 0.5 D
A5530	5.50	0	13.00	<b>10</b> °	10.0 D to 30.0 D
					15.0 to 25.0 in 0.5 D

### **AUROLENS - SINGLE PIECE ANTERIOR CHAMBER IOLS**

UV Absorbing PMMA, Equiconvex Kelmann Multiflex, 3 Point Fixation, A constant: 115.3, ACD: 3.0 mm



Model	Optic Dia	Position Holes	Over all Diameter (mm)	Angulation	Diopter Range
A5528	5.50	0	12.8	10°	10.0 D to 30.0 D
					15.0 to 25.0 in 0.5 D

#### **AUROLENS - NEGATIVE POWER IOLS**

UV Absorbing PMMA, Meniscus Optic, Modified "C" Loop, A constant: 117.5



Model	Optic Dia mm	Position Holes	Over all Diameter (mm)	Angulation	Diopter Range
SN3600L	6.00	0	13.00	10°	-14.0 to -1 in 1.0 D

### **AUROLENS -LOW POWER IOLs**

UV Absorbing PMMA, Meniscus Optic, Modified "C" Loop, A constant: 117.5



Model	Optic Dia mm	Position Holes	Over all Diameter (mm)	Angulation	Diopter Range
SM3600L	6.00	0	13.00	10°	0.0 D to 5.0 in 1.0 D

### AUROLENS \_ THREE PIECE POSTERIOR CHAMBER IOLs

UV Absorbing PMMA, Biconvex Optic, Modified "C" Loop, Blue PMMA Haptics, A constant 118.5 ACD: 5.0 mm



Model	Optic Dia mm	Position Holes	Over all Diameter (mm)	Angulation	Diopter Range
B3602	6.00	2	13.50	10°	10.0 D to 30.0 in 0.5 D

As Aspheric Optics Y Yellow Chromophore

# **Pharmaceutical Division**

Aurolab's pharma division has created a name for itself by developing niche products. Our intense focus in ophthalmology has resulted in development of unavailable drugs and making high cost products affordable.

In the last two decades, developments have been concentrated around cataract and retinal diseases. Of late, due to the pressing needs of other specialities, Aurolab has extended its focus to include affordable products to treat glaucoma and corneal diseases.

This division has introduced some products that are first to India/Asia and even to the world.

Retinal Products		Cataract Surgical Products			
Aurosil - Silicone Oil 1000cSt Aurosil 1500 - Silicone Oil 1500 cSt Aurosil Plus - Silicone Oil 5000 cSt Auro Octane - Perfluoro-n-Octane Liquid Aurocort - Triamcinolone acetonide Inj Aurogreen - Indocyanine Green Ocublue Plus - Brilliant blue G soln.(0.05%) Retiblue - Trypan Blue(0.15%) Flures - Fluorescein Injection(20%)		Aurogel - Sod.Hyaluronate(1.4%) Aurogel Plus - Sod.Hyaluronate(1.6%) Aurovisc - HPMC (2%) Aurocoat - Sodium Hyaluronate(2%) + Chondroitin Sulphate(2%) Auroblue - Trypan Blue(0.06%) Aurocarpine - Pilocarpine nitrate Inj(0.5%) Aurocoat Plus - Sodium Hyaluronate(3%) + Chondroitin Sulphate(4%)			
Eye Drops					
Agents for Glaucoma Artic Immunosuppressant Anti- Antibiotics Anti- Antibiotics with Steriod Anti-		ory - NSAID ory - STEROIDS			
Special Products					
Auromox - Moxifloxacin (0.5%) Inj 1ml Ocuchol - Carbochol (0.01%) Lidclean - Eyelid cleaning solution					
Cornea Products					
Cornisol Vozole - PF	Vozole	Aurozole Tacliment			

# **Antifungal Eye Drops**

### **VOZOLE**



- Superior antifungal activity
- Lyophilized form enhances drug stability and solubility
- Established safety profile
- ▼ Economical pack
- Refrigeration not required

### **VOZOLE - PF**



## **Glaucoma Products**

### **AUROPROST - RT**

Sterile 2.5 ml Solution



Latanoprost Eye Drops 0.005% w/v

- ➤ Increases trabecular meshwork out flow by at least 67%.
- ➤ Proven efficacy by 35% drop in IOP
- Refrigeration not required

### **T PROST**

Sterile 2.5 ml Solution



Travoprost Ophthalmic Solution USP 0.1% w/v

### **PILO**

Sterile 5 ml Solution



Pilocarpine Eye Drops IP 2% w/v

### **TIMBRIM**

Sterile 5 ml Solution



Timolol with Brimonidine tartrate Ophthalmic Solution

# **Cataract Surgical Products**

# **AURO**Coat

### **Ophthalmic Viscosurgical Device**

Sodium hyaluronate 2% w/v with chondroitin sulphate 2% w/v

- 1ml sterile solution
- Packed in a Pre-filled syringe
- Single use only
- Do not freeze



# AURO Coat Plus

### **Ophthalmic Viscosurgical Device**

Sodium hyaluronate 3% w/v with chondroitin sulphate 4% w/v

- 1ml sterile solution
- · Packed in a Pre-filled syringe/
- Single use only
- Do not freeze



# AUROGel CE

Sodium hyaluronate 1.4% w/v High Quality Viscoelastic Solution

- High Quality
- Safe and effective
- Affordable price
- Sterile 1ml pre-filled glass syringes



# AUROGEL PLUSCE

Sodium hyaluronate 1.6 % w/v High Cohesive Viscoelastic solution

- 1ml sterile solution
- Packed in a Pre-filled syringe
- Single use only



### **OCUCHOL**

Carbachol Intraocular Solution USP 0.01% w/v



- Helps in rapid miosis within few minutes of injecting the drug
- It reduces the intensity of IOP elevation in the first 24 hours after cataract surgery
- Supplies in terminally sterilized glass vials that ensures safety of the product

# **Cataract Surgical Products**

### **AUROMOX**

Moxifloxacin Ophthalmic Solution USP 0.5% w/v

- Reduces the chance of endophthalmitis by five folds.
- Prevents postoperative anterior chamber reactions.
- Safe and compatible to Corneal endothelial cells.
- Remote chances of bacterial resistance.
- Ready to use and economical.



Sterile 5 \* 1 ml solution

### **AUROCARPINE**

Pilocarpine Nitrate Ophthalmic Solution USP 0.5% w/v



Sterile 5 \* 1 ml solution

# **AUROBLUE** (6 0197

Trypan blue solution 0.06%w/v



5 \* 1 ml Sterile solution

# AUROVISC CE

Hydroxypropyl methylcellulose 2% Premium Quality Viscoelastic Solution

- Consistent physical & chemical properties
- Dual filtration to ensure particle/fibre free solution
- Effective in the protection of corneal endothelium
- Non inflammatory
- Supply:3ml, 5ml vials and 2ml pre-filled glass syringes



# **Retinal Products**

### SILICONE OIL

### **AUROSIL** CE

Sterile 10 ml

### **AUROSIL 1500**

Sterile 10 ml

# AUROSIL PLUS CE

Sterile 10 ml

### **Features:**

- Greater stability
- ▼ Reduced emulsification due to a high degree of purification and low level of reactive OH end groups
- Less tissue impregnation
- ▼ High quality product

### **AUROCORT**

Sterile 5 \* 1 ml Suspension



Triamcinolone Acetonide injection IP 40 mg

### **Features:**

- ◄ Preservative Free Preparation.
- Established safety and Efficacy.
- ➤ Widely used by leading surgeons in India & Abroad
- Available in sterile 1 ml vial in pack of five

# AURO OCTANE CO

Sterile 5 ml



Perfluoro-n-octane liquid

### **Features:**

- High vapour pressure.
- Low surface tension and viscosity.
- High specific gravity.
- Chemically inert and free of preservative.
- Very safe and non toxic

# **Retinal Dyes**

### **FLURES**

Sterile 10 \* 3 ml

Fluorescein Injection USP 20% w/v



- Pyrogen free
- Preservative free
- Reduced side effects
- Safe and effective
- It is a sterile aqueous solution to use intravenously as a diagnostic aid.

### **AUROGREEN**

Sterile powder 25 mg Indocyanine Green for Injection USP



- Easily diffuses
- Superior than fluorescein angiography
- Low iodide content (3.8%)
- Very safe no side effects

### RETIBLUE

Sterile 5 \* 1 ml Solution

Trypan blue solution 0.15% w/v



- Quick staining, easy to perform.
- Allows surgeons to clearly differentiate ILM, ERM and Retina.
- Distinguishes between new and old PVR membranes.
- Proven safety & efficacy

### **OCUBLUE PLUS**



Sterile 5 \* 1 ml Solution

Brilliant Blue G solution 0.05% w/v



- Biocompatible & Non toxic.
- Good staining & Better contrast.
- No photo-induced side effects.
- No inflammatory reactions

# **Speciality Products**

### **CORNISOL**







- Enhances Endothelial and Epithelial cell preservation
- Reduces corneal thickness and folds
- Human cornea can be stored up to 14days under refrigeration



- Non irritant and contains no synthetic detergents
- Tested, safe and can be used in all types of lid infections
- Cleans, moisturizes and refreshes eye lids
- Safe and eective for lid hygiene



- Atrop-PD (Atropine sulphate 0.01% 5ml) is a product used to control myopia in children.
- Atrop-PD (Atropine 0.01%w/v) has minimal side effects compared with atropine at 0.1% and 0.5%, and retains comparable efficacy in controlling myopia progression
- Nightly dose of atropine at 0.01% seems to be a safe and effective regimen for slowing myopia progression in children, with minimal impact on visual function in children

### **Antiseptics and Disinfectants**

**AURODONE - DS** 

Skin Antiseptic

**AUROSCRUB**Surgical
Handwash solution

on

MICROL - F Floor Cleaning Disinfectant Solution



AURORUB
Alcoholic Rub for
Hand Antisepsis

STERI RINSE
Surgical Handwash
Solution













# **Eye Drops**

### ANTI-ALLERGIC

### **OLOGIC**

Sterile 5 ml Solution



Olopatadine Hydrochloride Ophthalmic Solution USP 0.1% w/v

### PREPARATIVE SOLUTIONS

### **AURODONE**

Sterile 5 ml Solution



Povidone lodine Solution IP 5% w/v

### **IMMUNOSUPPRESSANT**

### **AUROSPORINE**

Sterile 5ml



Cyclosporine Ophthalmic Solution 2% w/v

### ARTIFICIAL TEARS

### **AUROSOL**

Sterile 10ml



Hypromellose Eye drops BP 0.7% w/v

### **MYDRIATICS AND CYCLOPLEGICS**

### **AUROMIDE PLUS**

Sterile 5ml



Tropicamide with Phenylephrine Eye drops

### **AUROPENT**

Sterile 5ml



Cyclopentolate Eye drops BP 1% w/v

### **ANTIBIOTICS WITH STERIOD**

### **MFLOX - DM**

Sterile 5ml



Moxifloxacin with Dexamethasone Sodium Phosphate Eye Drops

### LOCAL ANAESTHETICS

### **AUROCAINE**

Sterile 5ml



Proparacaine Hydrochloride Ophthalmic Solution USP 0.5% w/v

### ANTI - INFLAMMATORY

### **AUROPRED**

Sterile 10ml



Prednisolone Sodium Phosphate Eye Drops BP 0.5% w/v

# **Ophthalmic Pharmaceutical List**

S.No	GENERIC NAME (WITH STRENGTH)	TRADE NAME	PACK
RET	INAL PRODUCTS		
1	Silicone Oil 1000 mm²/s (cSt)	AUROSIL	10 ml
2	Silicone Oil 1500 mm²/s (cSt)	AUROSIL 1500	10 ml
3	Silicone Oil 5000 mm²/s (cSt)	AUROSIL PLUS	10 ml
4	Perfluoro-n-octane Liquid	AURO OCTANE	5 ml
5	Triamcinolone Acetonide Inj 40 mg/ml	AUROCORT	1 ml (5vials/box)
6	Brilliant Blue G solution 0.05%w/v (staining of ILM & ERM)	OCUBLUE PLUS	1 ml (5vials/box)
7	Trypan Blue solution 0.15%w/v (staining of ILM & ERM)	RETIBLUE	1 ml (5vials/box)
8	Indocyanine Green for Injection (Lyophilized)	AUROGREEN	25 mg
9	Fluorescein sodium Injection 20% w/v	FLURES	3ml (10 amp/box)
CATA	ARACT SURGICAL PRODUCTS		
_		ALIDOVICE DEC	
10	Hypromellose ophthalmic solution 2% w/v	AUROVISC-PFS	2ml
11	Hypromellose ophthalmic solution 2% w/v	AUROCEI	3ml, 5ml
12	Sodium Hyaluronate 1.4% w/v (in prefilled syringe)	AUROGEL	1ml
13	Sodium Hyaluronate 1.6% w/v (in prefilled syringe)	AUROGEL PLUS	1 ml
14	Sodium Hyaluronate 2% w/v + Chondroitin Sulphate 2% w/v (in prefilled syringe)	AUROCOAT	1ml
15	Sodium Hyaluronate 3% w/v + Chondroitin Sulphate 4% w/v	AUROCOAT PLUS	1 ml
16	Moxifloxacin Injection 0.5% w/v	AUROMOX	1ml (5 vials/box)
17	Trypan Blue solution 0.06%w/v(Staining of Anterior Capsule)	AUROBLUE	1ml (5 vials/box)
18	Pilocarpine nitrate ophthalmic solution 0.5% w/v	AUROCARPINE	1 ml (5 vials/box)
19	Carbachol Intraocular Solution USP 0.01% w/v	OCUCHOL	1 ml (5 vials/box)
ANTI	FUNGAL		
20	Econazole Eye Drops 2% w/v	AUROZOLE	5ml
21	Voriconazole Powder for Eye Drops 1% w/v (Lyophilized)	VOZOLE	30mg/ vial
22	Voriconazole Powder for Injection 1mg (Lyophilized)	VOZOLE-PF	1mg/ vial
AGEN	ITS FOR GLAUCOMA		
		ALIDODDI: 17	
23	Brimonidine Tartrate ophthalmic solution 0.2% w/v	AUROBRIME	5ml
24	Pilocarpine Nitrate ophthalmic solution 2% w/v	PILO	5ml
25	Timolol Eye Drops 0.5% w/v	AUROTIM	5ml
26	Latanoprost 0.005% w/v	AUROPROST RT	2.5 ml
27	Travoprost 0.004% w/v	T PROST	3ml
28	Brimonidine 0.2% w/v + Timolol 0.5% w/v Eye Drops	TIMBRIM	5ml
	JNOSUPPRESSANT 20/vv/v	ALIDOCROPINE	Emil
29	Cyclosporine ophthalmic suspension 2%w/v	AUROSPORINE	5ml
30 DEDI	Tacrolimus 0.03% w/v ointment	TACLIMENT	5g
	ATRIC USE		
31	Atropine sulphate ophthalmic solution 0.01% w/v	ATROP-PD	5 ml

# **Ophthalmic Pharmaceutical List**

S.No	GENERIC NAME(WITH STRENGTH)	TRADE NAME	PACK
ANTI	BIOTICS		
32	Chloramphenicol Eye Drops 0.5% w/v	AUROCOL	10ml
33	Ofloxacin ophthalmic solution 0.3% w/v	AUROFLOX	5ml
34	Gatifloxacin Eye Drops 0.3 % w/v	G-FLOX	5ml
35	Moxifloxacin Eye Drops 0.5% w/v	MFLOX	5ml
ANTIE	BIOTICS WITH STEROID		
36	Chloramphenicol 0.5%w/v + Dexamethasone Sodium Phosphate 0.1 % w/v	AUROCOL-DM	10ml
37	Tobramycin 0.3% w/v + Dexamethasone Sodium Phosphate 0.1% w/v	TOB-DEX	5ml
38	Moxifloxacin 0.5% w/v + Dexamethasone sodium Phosphate 0.1% w/v	MFLOX-DM	5ml
MYDF	RIATICS AND CYCLOPLEGICS		
39	Atropine Sulfate opthalmic solution 1% w/v	ATROP	5ml
40	Cyclopentolate Eye Drops 1% w/v	AUROPENT	5ml
41	Homatropine Eye Drops 2% w/v	AUROHOM	5ml
42	Tropicamide 0.8% w/v + Phenylphrine HCI 5% w/v	AUROMIDE PLUS	5ml
43	Tropicamide Eye Drops 1% w/v	AUROMIDE	5ml
LOCA	L ANAESTHETICS		
44	Lignocaine HCI Eye Drops 4%w/v	AUROLIG	10ml
45	Proparacaine HCI ophthalmic solution 0.5% w/v	AUROCAINE	5ml
ARTIF	ICIAL TEARS		
46	Hypromellose Eye Drops 0.7% w/v	AUROSOL	5ml
47	Polyvinyl Alcohol Eye Drops 1.4% w/v	AUROLUBE	5ml
ANTI-II	NFLAMMATORY - NSAID		
48	Ketorolac tromethamine ophthalmic solution 0.5% w/v	KETOLAC	5ml
49	Flurbiprofen sodium ophthalmic solution 0.03% w/v	AUROFLUR	5ml
	INFLAMMATORY-STEROIDS		
50	Prednisolone Sodium Phosphate Eye Drops 0.5% w/v	AUROPRED	10ml
51	ALLERGIC Olopatadine Eye Drops 0.1% w/v	OLOGIC	5ml
52	Cromolyn Sodium ophthalmic solution 2% w/v	AUROCROME	10ml
	OSCOPIC EXAMINATIONS		
53	Methyl cellulose	GONIOGEL	10ml
	ARATIVE SOLUTIONS		
54	Povidone Iodine 5%	AURODONE	5ml
55	Eyelid Cleaning Solution	LIDCLEAN	50ml
	NEAL PRESERVATION		
		CODNICOL	20ml (Evicle /bass)
56 STER	Corneal Storage Medium ROIDS	CORNISOL	20ml (5vials/box)
57	Dexamethasona Sodium Phosphate 0.1% w/v	DEXA	5ml

# **Suture Needle Division**

Established with technical knowledge from Europe, today Aurolab is among the very few manufacturers in the world with the technology to produce micro suture needles. Aurolab's entry into this segment brought down the cost of this consumable and minimized the reuse of sutures. Besides ophthalmic surgery, micro needles are widely used in various other spaces such as plastic surgery and cardiovascular surgery. Many of the products from this division are USFDA approved.

With this micro device manufacturing capability, this division is now foraying into other metal and silicone related micro devices.

### **Absorbable Suture**





Poly Glycolic Acid Sutures Absorbable Sutures & Surgical Needles Available Sizes: 10-0, 8-0, 7-0 & 6-0, 5-0

### **Non - Absorbable Suture**





# Aurosilk Silk Sutures Available in 4-0, 6-0 & 8-0

### **Aurolene**

Polypropylene Sutures Available in 10-0, 9-0 & 5-0 Aurobond
Polyester Sutures
Available in 5-0 & 4-0

# Speciality products in suture

# Orbit & culoplasty

### **For perfect Ptosis Surgery**



Frontalis suspension - Ptosis sling



Product	Ne	edle	Length of	Length of
code	Length	Diameter	silicone rod	silicone sleeve
T9052	6.3 cm	920 micron	40 cm	7 mm

# For treating both Punctal Stenosis & Canalicular Laceration

### *aurostent*



Aurostent box packed with one stent and one foil of 6-0 polycryl(absorbable) suture

Silicone rod length	40 mm
Silicone rod Diameter	0.64 mm

### **For DCR Surgery**



Lacrimal Intubation set



Duralizat	Pro	be	Silicone tube	length - 30 cm
Product			I.D of	O.D of
code	Length	Diameter	Silicone tube	Silicone tube
L6032	11 cm	0.60mm(23G)	0.30 mm	0.64 mm

# For Enucleation & Evisceration procedure

### *<u>QUIOSPHERE</u>*



Aurosphere box packed with one sphere ball and two foils of 6-0 polycryl (absorbable) suture

Product code	AS - 14	AS - 16	AS - 18	AS - 20	AS - 22
Size (Dia)	14 mm	16 mm	18 mm	20 mm	22 mm

# **Cataract Suture Needle Ranges**

Needle	Suture Material	Suture I on ath	Suture Sizes			
		Suture Length	10-0	9-0	8-0	
Advanced Micro Point Spatula AS-140-6 Diameter-0.15mm	aurolon Nylon Black Monofilament	15cm (6")	6401N	6491N		
Length-6.0mm 3/8 Circle-140º		30cm (12")	6402N	6492N		
Advanced Micro Point Spatula AS-160-6 Diameter-0.15mm	aurolon Nylon Black Monofilament	15cm (6")	6601N	6691N		
Length-5.6mm 1/2 Circle-160 <sup>o</sup>		30cm (12")	6602N	6692N		
Advanced Micro Point Spatula AS-140-8 Diameter-0.20mm	aurolon Nylon Black Monofilament	40cm (16")	8401N	8491N	8481N	
Length-6.0mm 3/8 Circle-140 <sup>o</sup>		40cm (16")	8402N	8492N	8482N	
Advanced Micro Point Spatula AS-140-8 Diameter-0.20mm	aurosilk Silk Black Braided Silicone Coated	15cm (16")			84815	
Length-6.0mm 3/8 Circle-140 <sup>o</sup>		30cm (12")			84825	
Advanced Micro Point Spatula AS-140-8	aurosilk Silk Black Virgin	40cm (16")			8481VS	
Diameter-0.20mm Length-6.0mm 3/8 Circle-140°	aurosilk Silk Black Virgin	40cm (16")			8482VS	
7	aurosilk silk Blue Virgin	40cm (16")			8482VSB*	
Advanced Micro Point Spatula AS-090-6 Diameter-0.15mm Length-16 mm 1/4 circle-90° (Iris Fixation Suture)	aurolene Polypropylene Blue Monofilament	20cm (8")	6902PP*			
Advanced Micro Point Spatula AS-000-6 Diameter-0.15mm Length-16.0mm Straight Needle	aurolene Polypropylene Blue Monofilament	20cm (8")	6002PP			
Advanced Micro Point Spatula AS-000-6 Diameter-0.15mm Length-16.0mm Straight Needle	aurolene Polypropylene Blue Monofilament	20cm (8")		6092PP		
Advanced Micro Point Spatula AS-000-6, AS-160-6 Diameter-0.15mm Length-16.0mm, 5.6 mm Straight Needle,1/2 circle-160°	aurolene Polypropylene Blue Monofilament	30cm (12")	60602PP			
Advanced Micro Point Spatula AS-000-6, AS-160-6 Diameter-0.15mm Length-5.6mm, 16 mm Straight Needle,1/2 circle-160°	aurolene Polypropylene Blue Monofilament	30cm (12")		60692PP		
Advanced Micro Point Spatula AS-140-0606 Diameter-0.15mm 3/8 circle-1400	Polycryl Poly Glycolic Acid Violet Monofilament	10cm (4")	A0101			

# **Orbit & Oculoplast Suture Needle Range**

Nondle	Cutum Matarial	Control on with			Sı	ıture Siz	es	
Needle	Suture Material	Suture Length	9-0	8-0	7-0	6-0	5-0	4-0
Advanced Micropoint Spatula AS-135-1108	auroslik Silk Black Braided Silicone Coated	76cm (30")				B6105		
Diameter -0.28mm Length-8.0mm 3/8 circle-135 <sup>0</sup>	auroslik Silk Black Braided Silicone Coated	76cm (30")				B6106		
Conventional Cutting CC-135-1716 Diameter-0.43mm Length-15.9mm 3/8Circle-1350	auroslik Silk Black Braided Silicone Coated	76cm (30")						B4401
Reverse cutting RC-130-1513 Diameter-0.38mm Length-13.1mm 3/8Circle-130°	aurolene polypropylene Blue Monofilament	70cm (28″)					P5301	
Advanced Micropoint Spatula AS-140-0806 Diameter-0.20mm Length-6.0mm 3/8Circle-140°	PolyCryl PolyGlycolic Acid Violet Braided	30cm (12")		A8104				
Advanced Micropoint Spatula AS-090-1308 Diameter-0.33mm Length-8.0mm 1/4Circle-90°	PolyCryl PolyGlycolic Acid Violet Braided	45cm (18")				A6108	A5108	
Advanced Micropoint Spatula AS-140-0907 Diameter-0.230mm Length-6.5mm 3/8Circle-1400	PolyCryl PolyGlycolic Acid Violet Braided	30cm (12")			A7102			
Taper Point TP-180-1716 Diameter_0.430mm Length-16mm 1/2 Circle-180°	Aurosilk Silk Black Braided Silicone Coated	90cm (36")						B4203*

# **Squint & Membranectomy Suture Needle Ranges**

Needle	Suture Material	Suture Length	Suture Sizes
			6-0 5-0
Advanced Side cutting Spatula AS-90-1308 Diameter-0.33mm Length-8.0mm 1/4 Circle -90°	Polycryl Poly Glycolic Acid Violet Braided	45cm(18")	A6108 A5108
Reverse cutting RC-130-1513 Diameter-0.38mm Length-13.1mm 3/8Circle-130°	aurolene Polypropylene Blue Monofilament	70cm(28")	P5301

# **Retinal Suture Needle Ranges**

				Suture	Sizes	
Needle	Suture Material	Suture Material Suture Length		6-0	5-0	4-0
Advanced Micropoint Spatula AS-090-1308 Diameter-0.33mm Length-8.0mm 1/4 Circle-90°	Polycryl Poly Glycolic Acid Violet Braided	45cm(18")		A6108		
Micro Point Spatula AS-090-1308 Diameter-0.33mm	aurobond polyester	76cm(30")			E5101	
Length-8.0mm 1/4 Circle-90°	Green Braided	76cm(30")			E5102	
Micro Point Spatula AS-090-1708 Diameter-0.43mm Length-7.9mm 1/4Circle-90°	<mark>aurobond</mark> polyester Green Braided	76cm(30")				E4101
Advanced Micropoint Spatula AS-140-0907 Diameter-0.230mm Length-6.5mm 3/8 Circle-1400	Polycryl Poly Glycolic Acid Violet Braided	30cm(12")	A7102			

**Trabeculectomy Suture Needle Ranges** 

Manadia	Control Manager	Contract Lorenth	Sutur	e Sizes
Needle	Suture Material	Suture Length	10-0	8-0
Advanced Micro Point Spatula AS-140-6 Diameter-0.15mm	aurolon Nylon Black	15cm(6")	6401N	
Length-6.0mm 3/8 circle-140°	Monofilament	30cm(12")	6402N	
Advanced Micro Point Spatula AS-160-6 Diameter-0.15mm	aurolon Nylon Black	15cm(6")	6601N	
Length-5.6mm 3/8 circle-160 <sup>0</sup>	Monofilament	30cm(12")	6602N	
Advanced Micro Point Spatula AS-180-6 Diameter-0.15mm Length-5.6mm 3/8 circle-180°	aurolon Nylon Black Monofilament	30cm(12")	6802N°	
Advanced Micro Point Spatula AS-140-8 Diameter-0.20mm	aurolon Nylon Black	40cm(16")	8401N	8481N
Length-6.0mm 3/8 circle-140°	Monofilament	40cm(16")	8402N	8482N
Taper Point TP-130-0607 Diameter-0.15mm Length-6.7mm 3/8 Circle-130°	aurolon Nylon Black Monofilament	30cm(12")	N0204	
Advanced Micro Point Spatula AS-140-0806 Diameter-0.20mm Length-6.0mm 3/8 circle-140°	Polycryl poly Glycolic Acid Violet Braided	30cm(12")		A8104

# **Corneal Suture Needle Ranges**

Needle	Suturo Matorial	Suture Material Suture Length Suture			e Sizes			
Needie	Suture Material	Suture Length	10-0	9-0	8-0	7-0	6-0	4-0
Advanced Micro Point Spatula AS-140-6 Diameter-0.15mm	aurolon Nylon Black	15cm(6") 🔾	6401N	6491N				
Length-6.0mm 3/8 Circle-140°	Monofilament	30cm(12")	6402N	6492N				
Advanced Micro Point Spatula AS-160-6 Diameter-0.15mm	aurolon Nylon Black	15cm(6")	6601N	6691N				
Length-5.6mm 1/2 Circle-160 <sup>o</sup>	Monofilament	30cm(12")	6602N	6692N				
Advanced Micro Point Spatula AS-180-6 Diameter-0.15mm Length-5.6mm 1/2 Circle-180°	aurolon Nylon Black Monofilament	30cm(12")	6802N*					
Advanced Micro Point Spatula AS-140-8 Diameter-0.20mm	aurolon Nylon Black	40cm(16") ~	8401N	8491N				
Length-6.0mm 3/8 Circle-140°	Monofilament	40cm(16")	8402N	8492N				
Advanced Micro Point Spatula AS-135-1108 Diameter-0.28mm Length-8.0mm	aurosilk Silk Black Braided Silicone Coated	76cm(30") 🧼					B6105	
3/8 Circle-135°	aurosilk Silk Black Braided Silicone Coated	76cm(30")					B6106	
Conventional Cutting CC-135-1716 Diameter-0.43mm Length-15.9mm 3/8 Circle-135°	aurosilk Silk Black Braided Silicone Coated	76cm(30") 🔾						B4401
Advanced Micro Point Spatula AS-090-1308 Diameter-0.33mm Length-8.0mm 1/4 Circle-90°	Polycryl Poly Glycolic Acid Violet Braided	45cm(18")					A6108	
Advanced Micro Point Spatula AS-140-0806 Diameter-0.20mm Length-6.0mm 3/8 Circle-140°	Polycryl Poly Glycolic Acid Violet Braided	30cm(12")			A8104			
Advanced Micro Point Spatula AS-140-0806 Diameter-0.15mm Length-6.0mm 3/8 Circle-140°	Polycryl Poly Glycolic Acid Violet Braided	10cm(4")	A0101					
Advanced Micro Point Spatula AS-140-0907 Diameter-0.230mm Length-6.5mm 3/8 Circle-140°	Polycryl Poly Glycolic Acid Violet Braided	30cm(12")				A7102		

# **Surgical Blade Division**





#### **ROUND STOCK**

Nano cut blades are ETO sterilized and supplied with autoclaveable polycarbonate handle and cradle.

It come as a pack of six units

Aurolab, with its expertise and experience in ophthalmic consumables, now brings you its range of high end ophthalmic surgical blades - NANOCUT. Nanocut is manufactured from high grade raw material using advance technology for precise shaping of metal products.

The excellence in manufacturing, displayed in Nanocut, gives surgeons a superior feel while making incisions and entry procedures. it comes with an **anti-glare surface** that makes it easy to use during surgery. It also has **laser depth markings** in Clear Cornea blades.

Nanocut blades are ETO sterilized and supplied with <u>autoclaveable</u> <u>polycarbonate handles</u> and cradle. Nanocut blades come as a pack of six units.

### Stab Knives for initial Corneal/Limbal incision

Product code	Description
S15002	Sideport/Lancetip/Stab, 15 degree, straight knife

### **Slit Knives for Phaco incision**

K22042	2.2 mm Slit/Keratome Knife, angled, bi-bevel
K27542	2.75 mm Slit/Keratome Knife, angled, bi-bevel
K28022	2.8 mm Slit/Keratome Knife, angled, bevel up
K30022	3.0 mm Slit/Keratome Knife, angled, bevel up
K32022	3.2 mm Slit/Keratome Knife, angled, bevel up

### Clear Corneal Knives with laser mark (1.50 mm, 1.75 mm, 2.00 mm)

K28542	2.85 mm Slit/Keratome Knife, angled, bibevel
K30042	3.00 mm Slit/Keratome Knife, angled, bibevel

### Implant Knives for wide/ extend IOL implant

152022 5.2mm Implant/ Extension knife,angled, bevel up

### **Crescent Knives for Scleral tunnel incision**

C20022 2.0 mm Crescent/ Tunnel incision knife,angled,bevel up

### **MVR Knives for Micro VitreoRetinal surgery**

M19002	MVR 19 G knife, straight	
M19042	MVR 19 G knife, angled	
M20002	MVR 20 G knife, straight	
M20042	MVR 20 G knife, angled	

# **Surgical Blade Division**

### **AUROLAB BRINGS NEW RANGE OF SURGICAL BLADES FOR THE GROWING DISPOSABLE CONCEPT**









**Machined on CNC** grinding machine

- Easy to use tip guard
- Unique & ergonomic design

#### HANDLE



- Polycarbonate handle
- Rough surface for superior grip

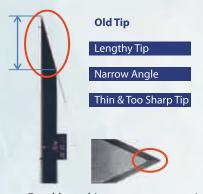
<b>Product code</b>	Specifications			
SIDE PORT / S	TAB BLADES			
S10015HT	1.0 mm Straight port			
S10215HT	1.0 mm Angled Side port			
S11215HT	1.1 mm Side port			
S13015HT	1.3 mm Straight port			
S13215HT	1.3 mm Angled Side port			
S16015HT	1.6 mm Straight port			
S17215HT	1.7 mm Angled Side port			
L15022HT	15 degree straight side port			
IMPLANT BLAI	DES			
I52215HT	5.2 mm angled bevel up			
I52315HT	5.2 mm angled bevel down			

KERATOME / STAB BLADES			
K11215HT	1.1 mm, Angled, Bevel Up		
K17215HT	1.7 mm, Angled, Bevel Up		
K22215HT	2.2 mm angled bevel up		
K24215HT	2.4 mm, Angled, Bevel Up		
K26215HT	2.6 mm, Angled, Bevel Up		
K275215HT	2.75 mm, Angled, Bevel Up		
K28215HT	2.8 mm angled bevel up		
K28315HT	2.2 mm angled bevel down		
K30215HT	3.0 mm angled bevel up		
K30315HT	3.0 mm angled bevel down		
K32215HT	3.2 mm angled bevel up		
CRESCENT BLADES			
C25222HT	2.5 mm angled bevel up		
MVR BLADES			
R19015HC	19G MVR Straight with handle		
R19415HC	19G MVR Angled with handle		
R20012HC	20G MVR Straight with handle		
R20412HC	20G MVR Angled with handle		

Dual Bevel Grinding introduced instead of single bevel in keratome & sideport blades for better consistency & to avoid tip bend issues https://www.aurolab.com/aurosleek.asp

# Comparison

### Comparison between the Old and Improvised Keratome's Tip





### **Benefits**

- Excellent sharpness and consistent in quality.
- ▼ Good control and stability.
- ▼ Penetrate easily and create accurate width for optimum fit to different types of phaco tips without wound leakage.
- ➤ Wound architecture is good and feel more solid.
- ➤ Good consistency in side profile without tearing tissue.
- ➤ Excellent in cutting quality.
- Dual bevel is proven to provide better surgical outcome through control, stability and consistency.

PACKED IN TIP GUARD			
SD10015HT	Sideport 1.0 mm, Straight Dual Bevel		
SD11215HT	Sideport 1.1 mm, Angled, Dual Bevel up		
SD17215HT	Sideport 1.7 mm, Angled, Dual Bevel Up		
KD22215HT	Keratome 2.2 mm, Dual Bevel up		
KD24215HT	Keratome 2.4 mm, Angled, Dual Bevel Up		

KD26215HT	Keratome 2.6 mm, Angled, Dual Bevel Up
KD275215HT	Keratome 2.75 mm, Angled, Dual Bevel Up
KD28215HT	Keratome 2.8 mm, Angled, Dual Bevel Up
KD30215HT	Keratome 3.0 mm, Angled, Dual Bevel Up
KD32215HT	Keratome 3.2mm, Angled, Dual Bevel Up

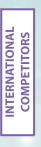
# **Surgical Blade Division**

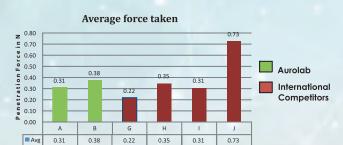
### A - Aurosleek (Single Bevel)

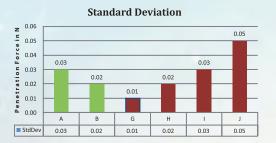
#### Average force taken 1.2 Penetration Force in N COMPETITORS 0.82 0.78 0.8 INDIAN 0.6 Aurolab 0.4 0.31 Indian 0.2 Competitors 0 Avg 0.31 0.38 0.78 0.66 0.97 0.82

### **B - Aurosleek (Dual Bevel)**











### **Features:**



- Superior Sharpness for easy penetration/precise incision
- Smooth actuation during wound construction
- Matt Finished for glare free blade surface
- ETO Sterilised

#### **SIDEPORT**

#### **KERATOME**

MOTA	E	

**IMPLANT** 

<b>Product code</b>	Specifications		
SIDEPORT/ PARACENTESIS BLADES			
SS10015	1 mm Straight side port		
SS10215	1.0 mm Angled Side port		
SS11215	1.1 mm Angled Side port		
SS13015	1.3 mm Straight side port		
SS13215	1.3 mm Angled Side port		
SS16015	1.6 mm Straight side port		
SS17215	1.7 mm Angled Side port		
SL15022 15 degree Straight side port			
CRESCENT BLADES			
SC25222	2.5mm angled bevel up		
IMPLANT BLADES			
SI52215	5.2mm angled bevel up		
SI52315	5.2 mm angled bevel up		

KERATOME BLADES/ SLIT BLADES			
SK22215	2.2 mm angled bevel up		
SK24215	2.4 mm angled bevel up		
SK26215	2.6 mm angled bevel up		
SK275215	2.75 mm angled bevel up		
SK28215	2.8 mm angled bevel up		
SK28215	2.8 mm angled bevel up		
SK30215	3.0 mm angled bevel up		
SK30315	3.0 mm angled bevel up		
SK32215	3.2 mm angled bevel up		



**HAWK i** is a compact illumination system rendering excellent optical and mechanical performance providing ultimate value with an inherently designed 2-step, 3-step and 5-step optical system and top end illumination.

Available Variants	LED & Halogen
Top illumination	2,3 & 5 Steps
Bottom illumination	2,3 & 5 Steps







Top illumination

**Bottom illumination** 

Third i - HD Camera

HAWK i Slit lamps adaptable with Integrated Camera System and Software

#### **Features**

- Specially coated optics
- Ergonomical design
- Apo chromatic property
- Imported Optics
- LED illimination system (\*Except B2 & T2)

### **Benefits**

- Render high throughout light curbing reflective properties
- Fluid mechanical operations
- True reflections of original image and no color distortion
- Gives clarity and durability
- LED illumination system offers less heat generation and longer life span

### **THIRD I - HD Camera**

High resolution integrated digital camera with beam splitter to capture details for eye examination

### **SPECIFICATION**

- USB interface based splitter integrated camera system fits to Laptop or Desktop computer
- Third-i camera comes along with iCapture software to capture fine and crisp images and record videos
- Easy to use software user interface for organising images and patient information
- Also available in HDMI variant to stream live video to monitors

#### **FEATURES**

- Anterior and posterior imaging capability Saving and archiving the slit lamp results
- DICOM and PDF export option for reports

#### I CAPTURE SOFTWARE FEATURES

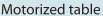
Organised patient data management for easy retrieval.

Comment field to enter diagnostic notes

Printing of patient reports & export to pdf and DICOM formats

### **Best in Class Accessories:**







**Applanation Tonometer** 



Third i - **HD**Integrated Camera system



Slit Imager



### **Features:**

- ▼ Hand held and extraordinarily accurate
- Compact design and intuitive
- Easy to use touch screen
- Measurement values available in 10 seconds
- Intelligent software
- Accurate eye testing even when patient is blinking
- Smart algorithm takes in more data, which ensures better result



Hand - held, High Caliber auto refractometer





### **Features**

- ▼ Full HD 22inch LED Monitor
- Multiple Distance option(6 ft to 25 ft with 0.25 ft increment)
- ★ Monitor with LED backlight
- Multimedia Access through USB and Inbuilt Videos
- Fixation targets and Educational charts
- ▼ Wall mount & Table top



# iScope Ophthalmoscope



### iScope Ophthalmoscope

The iScope Ophthalmoscope has been designed to ensure ultimate control. Lenses, graticular and filters can all be introduced at the touch of a fingertip without the need to pull away from the patient

### Positive action maywheel and comprehensive lens range

The extensive range of +29D to -30D in single dioptre steps ensures easy examination of all ocular structures and covers a wide range of patient/user prescriptions. A quick step swing of +/-20D helps speed up diagnosis

### Swing over filter

The red free filter for enhanced vessel examination can be used in conjuction with any of the 6 diagnostic beams.

### **Brow rest**

The integral soft brow rest allows for easy positioning and protects your lenses if you are spectacle wearer.

### **Xenon illumination**

For a bright and whiter long-lasting light. With Xenon light you have the power to diagnose even through cloudy media.

		Apertures	;		Grat	icules	Filt	ters
		•			<b>(</b>	#		
Wide	Intermediate	Macular	Slit	Semi Circle	Glaucoma	Fixation Cross	RedFree	Cobalt Blue
$\checkmark$	<b>√</b>	✓	<b>√</b>		✓	<b>√</b>	✓	

# iScope Retinoscope



### iScope Retinoscope

Optimized for outstanding performance with a streak halogen beam. Atleast 600 lux of brilliant halogen illumination guarantees you enough light to refract even the most difficult eyes.

### **Neuralization check (Patented)**

The only Retinoscope allowing rapid confirmation of neutralization.

### **Precision magnetic control (Patented)**

Improved 360° access to a single control for both rotation and convergence adjustments.

### Two position aperture

A simple finger movement allows a choice of 4mm or 1.7mm aperture to optimize brightness or resolution of the retinal reflex.

# REDEFINING THE ART OF CATARACT CURE



- Dedicated hardware to monitor and control fluidics module
- Precise vacuum sensing system for accurate feedback of IOP
- Customizable parameter for all phaco modes (continuous,pulse,auto pulse and burst)
- Auto and manual backflush options safety
- Single screen operability
- 10 programmable surgeon settings
- Pneumatic anterior vitrectomy cutter with built-in compressor









**HIGH CALIBRE** 

PRECISION DRIVEN

**CATARACT REMOVAL** 

### *aurocautery*



### **Features**

- High frequency solid state circuitry
- Compact in size, elegant look and easy to use
- ▼ Reusable forceps, erasers and cables
- ▼ Foot switch control
- Audible indication
- ➤ Dial for variable power output
- Supplies with test certificate and instruction for use leaflet

# **Surgical Instruments**

# **Special Features** One Stop Solution for complete ophthalmic needs

- Variants : Stainless Steel and Titanium Ranges
- Quality Instruments at affordable price
- Reusable and Disposable Surgical Instruments ranges
- Customized Instruments sets for different surgical procedures

### **Stainless Steel**

### **Instrument Sets**

- ➤ ECCE Set
- SICS Set
- Trabeculotomy Set
- DCR Pediatric Set
- **DCR Adult Set**
- **Enucleation Set**
- Strabismus Surgery Set
- **Evisceration Set**



# **Cataract Surgery Kit**



### **ONE STOP FACILITY...**



### **IOL SURGERY KIT**

ECCE - Extra Capsular Cataract Extraction SICS - Small Incision Cataract Surgery

### **KIT CONTENTS**

### **PRE-OPERATIVE**

- Antibiotics eye drops
- Mydriatics eye drops

### **INTRA-OPERATIVE**

- Eye Drapes / Eye Pad / Eye Shield / Cannula
- ➤ Sutures / Blades set
- IOLs /Surgicals Adjuncts
- Ophthalmic Dyes / Anaesthetics
- Intraocular Injections

### **POST-OPERATIVE**

- Antibiotic / Mydriatic /Cycloplegic eye drops
- ▼ Tablets (pain killer)

### **Special features**

- Convenience of procuring cataract consumables from one point source
- Wide variety of choice available for different cataract procedures
- Customized assembly of procedure-specific consumables to help the surgeon perform more efficiently
- The surgical team needs less time to prepare for each surgery
- Reduced wastage and spillover of consumables
- Efficient cost control and inventory management
- ➤ IOLs , Suture Needles , Trypan Blue and HPMC are CE certified

# **Speciality Products**



Aadi, a non-valved glaucoma shunt indicated for glaucoma patients for not responding maximal medical therapy, failed trabeculectomy, neovascular, congenital and uveitic Glaucoma

# Scan to view testimonials - study materials & Surgical videos www.aurolab.com/glaucoma-shunt.asp

### **KEY FEATURES OF AADI:**

### **Larger Surface Area**

Larger surface area of the silicone plate provides aqueous filteration and pressure relief by controlling long term intraocular pressure with fewer post operative complications and medications

### **Single Quadrant Insertion**

Innovative design for simple and fast surgical technique which allows surgeons to implant larger surface plate with lesser trauma and faster healing

### **Flexibility**

Flexible tie-off capability in the silicone tube, which can be tight or loose to match complicate procedure

### **Unique Design**

Unique fenestration design allow the growth of fibrous tissue to control bleb height and volumes, to secure in the place and minimize ocular motility disturbance

# **Auro Ring - Capsular Tension Ring**

### Aurolab manufactures 3 types of CTR,

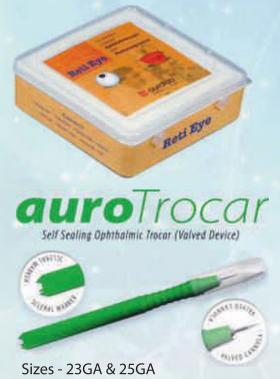
- Capsular tension rings (standard type)
- Cionni rings with single and double loop.
- Capsular tension segment.

### **Features**

- Ensures stable conditions during surgery
- Prevents Capsular Fibrosis
- It is used in cases involving less than 4 clock hours of zonular dialysis.



# **Speciality Products**



# Reti Eye

A Skill enhancing tool... A tool to practice photocoagulation and indirect ophthalmoscopy

> "Retieve changes the way you teach laser technique from paper to actual practice"

### **Features**

- Sharp needle for smooth and high precision incision
- Tapered point cannula for smooth penetration
- Cone shaped cannula for easy insertion of instruments
- Precise Scleral marking point for safe incision

One box contains 3 valued trocar cannulas mounted on sharp needles with one infusion line.

### **Product Description:**

X-nit is a disposable medical device which is used in Scleral fixation IOL surgery. This device helps in simplifying the exteriorization of IOL haptics during SFIOL implantation with three piece PMMA lens minimizes the trauma during SFIOL surgery.

### **Advantage:**

- Highly useful for anterior segment surgeons and beginners
- Reduces dependency on assistant
- Lesser risk of wound leakage
- Haptic damage is significantly reduced as grasping forceps is not required
- Sutureless intrascleral fixation
- Eliminates the need of large sclerotomy port to introduce intraocular forceps



### **Technical Specification**

_	
Needle size	26G
Scleral marking points	1.5mm & 4mm
Stopper material	Silicone
Usage	Single use

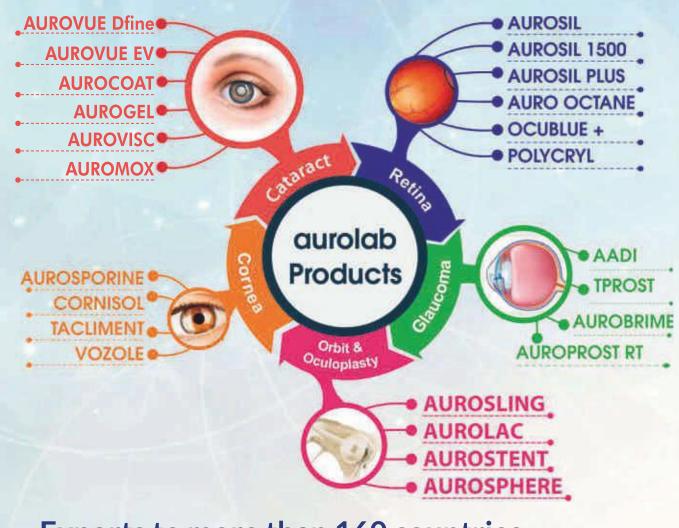
### Package:

Packed in a box of two X-nit product



X-Nit demonstration video

# **Aurolab Products Ranges**



# **Exports to more than 160 countries**



# **Quality Principles**





Intelligence and capability are not enough.

There must also be the joy of doing something beautiful.

Being of service to God and Humanity means going well beyond the sophistication of the best technology, to the humble demonstration of courtesy and compassion to each patient.

- Dr. G. Venkataswamy
Founder - Aravind Eye Care System

