

# AUROBLUE

(Trypan Blue Solution 0.06% w/v)

## *The Vital Tool for Capsulorhexis*



- A capsule stainer to aid easy capsulorhexis in cataract surgery
- Excellent visualization of capsule in eyes with matured cataract / narrow pupils
- Clear visualization of outline of the capsule rim during surgery
- Reduces risk of incomplete capsulorhexis

CE  
0197

### DESCRIPTION

AUROBLUE is a vital dye, used in matured cataract surgery, which stains the anterior capsule and fibrous tissue that enables the surgeon to visualize the capsule clearly. AUROBLUE is a sterile preparation of Trypan Blue 0.06% w/v in buffered solution.

### INDICATIONS

- Used as a capsule staining agent in cataract surgery

### CONTRAINDICATION

AUROBLUE is contraindicated when a non hydrated (Dry state) hydrophilic acrylic Intraocular lens (IOL) is planned to implant into eye, because the dye may be absorbed by the IOL and get stained.

### WARNINGS & PRECAUTIONS

- ✗ Always use separate tuberculin syringe and needle for AUROBLUE (Trypan Blue) Injection. (Avoid antibiotic used syringe/needle since it crystallizes the Trypan Blue).
- ✗ Do not use the product after expiry date.
- ✗ Do not use on children and pregnant women.
- ✗ For single use only.
- Not for IV/ IM injection.
- Do not resterilize.

### ADVERSE REACTIONS

- ✗ AUROBLUE is well tolerated following intraocular injection into the anterior chamber of the eye during cataract surgery.
- ✗ Mild postoperative inflammatory reactions may occur in a very few cases.
- ✗ Extreme care must be taken while using AUROBLUE on patients who are hypertensive to any of its components.
- ✗ During animal experiments, teratogenic and/or mutagenic effect has been reported after repeated and/or at high dose intraperitoneal or intravenous injections with Trypan Blue. Hence Trypan Blue should not be used in pregnant women.
- ✗ Following use of AUROBLUE the discoloration of high water content hydrogen intraocular lenses (See contraindications) and inadvertent staining of the posterior lens capsule and vitreous face may occur. Staining of the posterior lens capsule or staining of the vitreous face is generally self limited, lasting up to one week.

### STORAGE

Store between 2°C and 35°C.

### SUPPLY

Available in sterile 1ml vial with pouch in pack of five.

### TECHNIQUE

Before using AUROBLUE the first step is to inject air into the anterior chamber using a 26 gauge needle in the area where the second site is made. This prevents dilution of the dye. Then AUROBLUE is injected into the anterior chamber using a tuberculin syringe between the air bubble and the lens capsule. Use the bevel down of the needle and inject AUROBLUE in a drop form, so that the whole capsule gets stained. If some area is left unstained, inject one more drop in that area till it gets stained. It is allowed for a minute to achieve complete staining of the anterior capsule. After staining viscoelastic solution is injected into the anterior chamber. This will distend the eye so that when you make a clear corneal incision, the eye will be tense and one can make a good valve. Now use a straight rod to stabilise the eye with the left hand and with the right hand make a clear corneal incision or scleral incision. Inject viscoelastic solution inside the eye to remove the air bubbles and the AUROBLUE. Then capsulorhexis can be done with a needle or with a forceps. One can see the contrast between the capsule, which has been stained and the cortex, which is not stained. The capsulorhexis can be continued and completed.



# AUROVISC

(Hypromellose Ophthalmic Solution 2% w/v)

## Premium Quality Viscoelastic Solution



- Consistent physical & chemical properties
- Dual filtration to ensure particle/fiber free solution
- Effective in the protection of corneal endothelium
- Non-antigenic & non-inflammatory

CE  
0197

### DESCRIPTION

AUROVISC is a viscoelastic solution of high molecular weight, highly purified grade of Hydroxypropyl methylcellulose 2%, clear, isotonic, sterile, non inflammatory and non-pyrogenic in nature. It is used for intraocular injection during anterior segment surgery of the eye.

### PROPERTIES

Concentration	: 20 mg/ml (2%)
Molecular Weight	: 86,000 daltons
Viscosity @ 27°C	: 3000 – 5000 cPs
Osmolality	: 250-350 mOsm/kg
pH	: 6.0 – 7.8

### CHARACTERISTICS

AUROVISC is a medical device used in the anterior segment surgery of the eye. It has the following unique characteristics:

- It maintains the depth of the anterior chamber of the eye and protects the periocular tissues.
- Outstanding Rheological properties.
- Completely transparent.
- Totally non antigenic.
- Easy to remove from the anterior chamber.
- Does not contain any proteins that are likely to cause any inflammatory reactions and /or foreign body reactions.
- Does not require refrigeration and should not be stored at temperatures above 35°C.
- Does not interfere with the process of Cicatrisation.

### INDICATIONS

AUROVISC is indicated as a surgical aid (medical device) in the anterior segment of the eye, including extraction of the lens and insertion of intraocular lenses. It maintains the depth of the anterior chamber during the whole surgical procedure and permits greater operative precision without the risk of damaging the endothelium of the cornea or other intraocular tissues.

### PRECAUTIONS

Overfilling the anterior chamber of the eye with AUROVISC may cause increased intraocular pressure, glaucoma or other associated ocular damage. The following precautions are recommended during surgical procedures.

- Do not overfill the eye chamber with Aurovisc.
- AUROVISC should be removed from the anterior chamber at the end of the surgery. Remove as much AUROVISC by irrigation and / or aspiration at the end of the surgery with out jeopardizing the integrity of corneal endothelial cells.
- Carefully monitor intraocular pressure especially during the immediate post operative period. Transient increased IOP may occur following surgery because of pre existing glaucoma or due to surgery itself. If the post operative IOP increases above expected values, treat with appropriate therapy.
- Installation of AUROVISC should be done so as to avoid trapping of air bubbles behind hydroxypropyl methylcellulose solution.
- Avoid reuse of the cannula.
- Although not reported to date, the concurrent presence of medication in the chamber or associated ocular structures may interact with AUROVISC to cause clouding. Physicians should consider this potential if such a phenomenon is observed.

### CONTRAINDICATIONS

It is contraindicated in patients with known history of hypersensitivity to its ingredients.

### SUPPLY

3 ml, 5 ml vials and 2 ml pre-filled glass syringes.

# AUROLAB

Information published in this catalogue is subject to change without notification

📍 No.1, Sivagangai Main Road, Veerapanjan, Madurai - 625020,

Tamilnadu, India. ☎ +91 94892 12354 | +91 452 3596100

✉ info@aurolab.com 🌐 www.aurolab.com