

# Atrogen

## Atropine Sulphate

### Sterile Eye Drops

#### Presentation

Each ml sterile eye drops contains Atropine Sulphate BP 10 mg.

**Preservative:** Benzalkonium Chloride 0.01%

#### Pharmacological Action

Atropine is a belladonna alkaloid. Atropine Sulphate acts in the eye to block the action of acetylcholine, relaxing the cholinergically innervated sphincter muscle of the iris. This results in dilation of the pupil (mydriasis). The cholinergic stimulation of the accommodative ciliary muscle of the lens is also blocked. This results in paralysis of accommodation (cycloplegia). Effects on accommodation may last 6 days; mydriasis may persist for 12 days.

#### Indications

As a cycloplegic or mydriatic for refraction or for desired dilatation of the iris or uveal tract during acute inflammatory conditions.

#### Dosage and Application

*For uveitis* : One drop three times daily

*For refraction* : One drop in the eyes twice daily for one or two days before examination, and one hour before examination. Pressure should be maintained over lacrimal sac, occluding lacrimal duct for one minute after instillation.

#### Use in Pregnancy and Lactation

Atropine Sulphate may be systemically absorbed after ocular administration; however, significant effects on the fetus have not been reported. Systemically absorbed Atropine Sulphate is distributed into breast milk in very small amounts. It may cause adverse effects, such as rapid pulse, fever, or dry skin, in nursing infant of mothers using ophthalmic Atropine.

#### Side Effects

*Incidence common:* Blurred vision.

*Incidence less frequent to rare:* Conjunctival irritation, follicularconjunctivitis, increased intraocular pressure (especially in patients with closed-angle glaucoma), increased sensitivity to light, and swelling of eyelids. Systemic toxicity may occur in susceptible patients, particularly children.

#### Contraindications

Atropine is contraindicated in the presence of angle closure glaucoma or where angle closure glaucoma is suspected. If used in glaucoma susceptible patients, an estimation of the depth of the angle of the anterior chamber should be performed prior to the initiation of therapy. Hypersensitivity to any ingredient in eye drops.

#### Precautions

Do not use if hypersensitive to any of the ingredients. Do not use in patients with primary glaucoma because atropine dilates the pupil, patient treated with ophthalmic atropine will be very sensitive to light. They should be kept out of bright light while receiving this medication.

#### Drug Interactions

Atropine should not be used with the following medications because very serious interactions may occur Anticholinergics, Antiglaucoma agents (cholinergic, long-acting, and ophthalmic), Antimyasthenics, Potassium citrate, and Potassium supplements, Carbachol, Physostigmine or Pilocarpine.

#### Over Dose

Flush the eye with water and seek emergency medical attention. Symptoms of a atropine ophthalmic overdose include headache, fast heartbeat, dry mouth and skin, unusual drowsiness, and flushing.

#### Storage Conditions

Store in a cool and dry place away from light. Keep out of reach of children. Do not touch the dropper tip to surface since this may contaminate the solution. After one month of the opening do not use the medicine of dropper.

#### Commercial Pack

Each plastic dropper bottle containing 10 ml sterile eye drops.

Manufactured by :

 **GENERAL**  
Pharmaceuticals Ltd.  
Unit-2, Gazipur, Bangladesh



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