




Teach patient/family:**Ophthalmic route**

- Product is for topical ophthalmic use only
- Wash hands before and after use; tilt the head back slightly and pull the lower eyelid down with the index finger; squeeze the prescribed number of drops into the conjunctival sac and gently close eyes for 1-2 min; do not blink
- Do not touch the tip of the dropper to the eye, fingertips, or other surface
- Wait ≥ 10 min after instilling the ophthalmic solution before inserting contact lenses; contact lenses should not be worn if eye is red
- Keep bottle tightly closed when not in use
- Do not share ophthalmic drops with others
- Remove contact lenses before use because the preservative benzalkonium chloride may be absorbed by soft contact lenses; product should not be used to treat contact lens-related irritation

⚠ HIGH ALERT**EPINEPHrine (Rx)**

(ep-i-nef'rin)

Adrenaclik, Adrenalin, Allerjet ,
 Auvi-Q, Anapen , Anapen Jr. ,
 EpiPen, EpiPen Jr.

Func. class.: Bronchodilator nonselective adrenergic agonist, vasopressor

Chem. class.: Catecholamine

Do not confuse:

EPINEPHrine/ePHEDrine

ACTION: β_1 - and β_2 -agonist causing increased levels of cAMP, thereby producing bronchodilation, cardiac, and CNS stimulation; high doses cause vasoconstriction via α -receptors; low doses can cause vasodilation via β_2 -vascular receptors

USES: Acute asthmatic attacks, hemo-stasis, bronchospasm, anaphylaxis, allergic reactions, cardiac arrest, adjunct in anesthesia, shock

Unlabeled uses: Bradycardia, chloro-quine overdose

CONTRAINDICATIONS: Hyper-sensitivity to sympathomimetics, sulfites, closed-angle glaucoma, nonanaphylactic shock during general anesthesia

Precautions: Pregnancy, breastfeeding, cardiac disorders, hyperthyroidism, diabetes mellitus, prostatic hypertrophy, hyper-tension, organic brain syndrome, local anesthesia of certain areas, labor, cardiac dilation, coronary insufficiency, cerebral arteriosclerosis, organic heart disease

DOSAGE AND ROUTES**Anaphylaxis/severe asthma exacerbation**

- **Adult:** IM/SUBCUT 0.3-0.5 mg, may repeat q10-15min (anaphylaxis) or q20min-4 hr (asthma)

Severe anaphylaxis

- **Adult:** IV 0.1-0.25 mg q5-15min, then 1-4 mcg/min continuous infusion if needed

- **Child:** IV ≤ 0.1 mcg/kg/min, then 0.1 mcg/kg/min continuous infusion if needed

Severe allergic reactions type I

- **Adult/child ≥ 30 kg:** IM 0.3 mg (EpiPen/EpiPen 2-Pak)
- **Child < 30 kg:** IM 0.15 mg (EpiPen Jr/EpiPen Jr 2-Pak)

CPR (ACLS)

- **Adult:** IV 1 mg q3-5min

Bradycardia (ACLS)

- **Adult:** IV 2-10 mcg/min

Bradycardia/pulseless arrest (PALS)

- **Child:** IV 0.01 mg/kg may repeat q3-5min, may increase to 0.1-0.2 mg/kg if needed

Available forms: Nasal spray (sol) 1 mg/mL; sol for inj 1 mg/mL (1:1000); 0.1 mg/mL (1:10,000); inh vapor (sol) 0.22 mg/actuation; pressurized inh (sol) 0.22 mg/actuation; sol for inj 0.15 mg/0.15 mL autoinjector, 0.3 mg/0.3 mL autoinjector, 0.15 mg/0.3 mL

Administer:

- Increased dose of insulin for diabetic patients if glucose is elevated
- Check for correct concentrations, route, dosage before administering