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# Topical/Ophthalmic Solution



## Cefazolin Sodium Ophthalmic Solution 33 mg/mL

### INGREDIENTS:

Cefazolin sodium 500 mg injection vial	1 vial
Artificial tears	QSAD: 15 mL

### EQUIPMENT AND SUPPLIES:

Laminar flow hood, 1 × 18-G needle, 1 × 3-mL syringe, 1 × 0.22- $\mu$ m filter needle

### PREPARATION DETAILS:

Must be prepared in compliance with USP <797>.

1. Reconstitute injectable powder with 2 mL of artificial tears.
2. Withdraw volume of injectable solution using a 3-mL syringe.
3. Change to a 0.22- $\mu$ m filter needle.
4. Transfer the cefazolin sodium solution into the ophthalmic bottle with the remaining artificial tears.
5. Shake well to mix.

**Quality-Control Procedures** — Visually inspect for physical appearance of formulation and container closure integrity (no leakage, cracks in container, or improper seals).

**Labeling Requirements** — Extemporaneously compounded preparation. For ophthalmic use only. Store in refrigerator.

**Storage Conditions/Stability** — Refrigerate. Stable for 28 days.

### STABILITY STUDY DETAILS:

**Study Container Type** — Artificial tears dropper bottle

**Referenced Manufacturers** — Cefazolin sodium injection (Ancef, SmithKline Beecham Pharmaceuticals); artificial tears (Liquifilm Tears, Allergan, Inc).

**Stability-Indicating Study** — No

### REFERENCE

1. Charlton JF, Dalla KP, Kniska A. Storage of extemporaneously prepared ophthalmic antimicrobial solutions. *Am J Health Syst Pharm.* 1998;55(5):463-466.