Calcium Gluconate 10mg/mL in Sodium Chloride 0.9% Sterile Ophthalmic Irrigation or Topical Solution
Version number: 1.0
Volume: 100 mL

Calcium Gluconate	1gm
Sodium Chloride 0.9% for irrigation	Q.S. 100mL

This compound should be prepared in an ISO Class 5 environment by a licensed pharmacist or supervised pharmacy technician trained in proper aseptic technique. Review USP <797> and check with your state board(s) of pharmacy to ensure proper compliance with regulations on the preparation of CSPs. Personnel assessments, sterility, potency and endotoxin levels testing should be outlined in the pharmacy SOPs.

SUGGESTED COMPOUNDING PROCEDURES

1. Calculate the required quantity of each ingredient for the total amount to be prepared
2. Accurately weigh and/or measure each ingredient
3. Withdrawl 10mL from vial of calcium gluconate 10% injection and place in a sterile container
4. Add sufficient sterile 0.9% sodium chloride to make 100mL
5. Using a 0.2µm filter, filter into sterile, depyrogenated vials, stopper with sterilized stoppers, and apply seal, crimp and label.
6. Suggested Quality Assessments – follow pharmacy SOPs:
    a. Bubble point filter integrity
    b. Particulate
    c. Sterility
    d. Endotoxin
    e. Label - Auxiliary labels, Refrigerate or Freeze, BUD, compounded medication

Protect from light

Note: According to USP Chapter <797>, in the absence of passing a sterility test the storage periods for compounded sterile preparations (high risk) cannot exceed the following time periods:

Controlled Room Temperature: not more than 24 hours
Cold Temperature: not more than 3 days
Refer to USP chapter <797>.

No claims are made as to the safety or efficacy of this preparation. This formulation is provided solely at the unsolicited request of the pharmacist.

Beyond-Use Dates of preparations are conservative estimates by the formulator using reference books, peer-reviewed literature, intended duration of therapy, formulation from commercially available products, organoleptic observations and current USP guidelines. Compounders may have stability studies performed by a reputable laboratory if they wish to extend the Beyond-Use Date.
It is recommended that you follow USP <795> recommendations for potency testing.

Precautions should be taken to prevent cross-contamination and exposure of ingredients to the compounder and contamination of the preparation by the compounder. Wear appropriate protective equipment. Use safety enclosures (hoods) when weighing and mixing.

4/18 JD

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