

Bethanechol Chloride Solution 1 mg/mL

INGREDIENTS:

Bethanechol chloride 25 mg tablet	4 tablets
Sterile water for irrigation	QSAD: 100 mL

EQUIPMENT AND SUPPLIES:

Powder containment hood, glass mortar and pestle, graduated cylinder, 0.22- μ m filter

PREPARATION DETAILS:

1. Triturate tablets to a fine powder with a mortar and pestle.
2. Levigate powder with a small amount of vehicle to form a paste.
3. Add vehicle in increasing amounts while mixing thoroughly.
4. Transfer contents of the mortar to a graduated cylinder.
5. Rinse the mortar and pestle with vehicle and pour into graduated cylinder.
6. Add vehicle to the graduated cylinder to achieve the total volume indicated above.
7. Filter solution to remove insoluble excipients.
8. Transfer contents of the graduated cylinder into an appropriately sized amber bottle.
9. 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 oral use only. Store in refrigerator. Shake well before use.

Storage Conditions/Stability — Refrigerate. Stable for 30 days.

STABILITY STUDY DETAILS:

Study Container Type — Amber glass bottle

Referenced Manufacturers — Bethanechol chloride tablets (Urecholine, Merck & Co); sterile water for irrigation (Biosedra).

Stability-Indicating Study — Yes

REFERENCE

1. Schlatter JL, Saulnier JL. Bethanechol chloride oral solutions: stability and use in infants. *Ann Pharmacother.* 1997;31(3):294-296.