Third Edition

Extemporaneous Formulations

for

Pediatric, Geriatric, and Special Needs Patients

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Chloroquine Phosphate Suspension 15 mg/mL

Ingredients:

Chloroquine Phosphate 500-mg tablet 3 tablets

Ora-Sweet/Ora-Plus* QSAD: 100 mL

Preparation Details:

- 1. Remove film coating off tablets with a wet paper towel.
- 2. Triturate tablets to a fine powder in a mortar and pestle.
- 3. Levigate with a small amount of base solution to form a paste.
- 4. Add base solution in increasing amounts while mixing thoroughly.
- 5. Transfer contents of the mortar to a graduated cylinder.
- 6. Rinse the mortar and pestle with base solution and pour into graduated cylinder.
- 7. Add base solution to the graduated cylinder to achieve the total volume indicated above.
- 8. Transfer contents of the graduated cylinder into an appropriate size amber bottle.
- 9. Shake well to mix.

Storage Conditions: Room Temp or Refrigerate

Special Instructions: *Mix 50 mL of Ora-Sweet with 50 mL of Ora-Plus. Use mixture as base solution or use Ora-Blend. Chloroquine Phosphate 15 mg/mL = Chloroquine Base 9 mg/mL. Chloroquine Phosphate 500 mg = Chloroquine Base 300 mg. Shake well before use.

Alternatives: May substitute base solution with Cherry Syrup or 50 mL of Ora-Sweet SF mixed with 50 mL of Ora-Plus or Ora-Blend SF.

Study Container Type: Plastic

Expiration Date: 60 days

Reference

 Allen LV Jr, Erickson MA III. Stability of alprazolam, chloroquine phosphate, cisapride, enalapril maleate, and hydralazine hydrochloride in extemporaneously compounded oral liquids. Am J Health-Syst Pharm. 1998; 55:1915-20.

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Chloroquine Phosphate Syrup 16.7 mg/mL*

Ingredients:

Chloroquine Phosphate 500-mg tablet 4 tablets

Sterile Water for Irrigation Small amount Cherry Syrup **QSAD:** 120 mL

Preparation Details:

- 1. Remove film coating off tablets with a wet paper towel.
- 2. Triturate tablets to a fine powder in a mortar and pestle.
- 3. Levigate with Sterile Water for Irrigation to form a paste.
- 4. Add base solution in increasing amounts while mixing thoroughly.
- 5. Transfer contents of the mortar to a graduated cylinder.
- 6. Rinse the mortar and pestle with base solution and pour into graduated cylinder.
- 7. Add base solution to the graduated cylinder to achieve the total volume indicated above.
- 8. Transfer contents of the graduated cylinder into an appropriate size amber bottle.
- 9. Shake well to mix.

Storage Conditions: Room Temp or Refrigerate

Special Instructions: Chloroquine Phosphate 16.7 mg/mL = Chloroquine Base 10 mg/mL. Chloroquine Phosphate 500 mg = Chloroquine Base 300 mg. Shake well before use.

Study Container Type: Glass

Expiration Date: 28 days

Reference

Mirochnick M, Barnett E, Clarke DF. Stability of chloroquine in an extemporaneously prepared suspension stored at three temperatures. Pediatr Infect Dis J. 1994; 13:827-8.

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