Children's Hospital of Eastern Ontario
Pharmacy Department

Hydroxychloroquine sulfate 25 mg/mL Oral Suspension

Date Prepared: _____ /_____ / 20_____ **LOT: NS _____**

Expiry Date: _____ /_____ / 20_____ **Final Checked By: _____**

INGREDIENTS	MFR	LOT #	EXPIRY DATE	FORMULA QUANTITY	QUANTITY USED	PREPARED	CHECKED
Hydroxychlororquine sulfate 200 mg tablets (**contain 155 mg base**)	Mylan or Apotex			10 tablets			
Oral Mix	Medisca			QS to 80 mL			

1 mg of hydroxychloroquine sulfate = approx. 0.77 mg of base

Risk Summary:

Always follow policies & procedures for risk assessment/NAPRA level as determined by your own pharmacy department.

Equipment and PPE:

- Mortar and pestle
- Graduated cylinder
- Glass stirring rod
- Standard CHEO Level B PPE (hair bonnet, mask, +/- beard cover, clean gown and nitrile gloves)

Procedure:

Always follow departments training protocols and policies and procedures that are currently in place.

1. Place tablets in mortar and pour a small amount of vehicle over the tablets before levigating. Let soak for at least 30 minutes.
2. Using the pestle, levigate tablets to create a smooth paste.
3. There may be black dots from the tablet writing in the liquid, which should disappear over time.
4. Continue to levigate, adding vehicle in small amounts until the product is liquid enough to transfer to a graduated cylinder.
5. Rinse mortar several times with vehicle and add product to the graduated cylinder.
6. QS to final volume with vehicle.
7. Stir well and transfer to amber bottle. Label bottle appropriately.
8. Before washing, rinse equipment into medication disposal bin, and not directly into sink.

Quality Control:

- Final Appearance: Suspension of fine, white particles.
- Packaging: amber plastic or glass bottle
- Storage & BUD: room temperature for 60 days

Sample Label:

Children's Hospital of Eastern Ontario
Hydroxychloroquine sulfate 25 mg/mL Oral Suspension
SHAKE WELL. Room Temperature.
Quantity:
LOT:_____Expiry:

Reference(s):

• McHenry AR et al. Stability of Extemporaneously prepared Hydroxychloroquine sulfate 25 mg/ml suspensions in plastic bottles and syringes. IJPC May/June 2017; 21(3): 251-253

Formulation Review:

Master Formula Revision Dates: *March 2020; June 2021.*