



DEXAMETHASONE 1 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
Dexamethasone 4 mg tablets	APO/PMS			25 tablets			
Oral Mix SF	Medisca			QS to 100 mL			

Risk Summary:

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

Equipment and PPE:

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

Procedure:

Always follow department's 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. Using the pestle, levigate tablets to create a smooth paste.
***ALTERNATIVELY**, use a tablet grinder (used for dexamethasone ONLY) to grind tablets into a fine powder. Take care when opening the grinder lid, to allow the powder to settle. Add powder carefully to a mortar, then add small amount of vehicle to levigate.
2. Continue to levigate, adding vehicle in small amounts until the product is liquid enough to transfer to a graduated cylinder.
3. Rinse mortar several times with vehicle and add product to the graduated cylinder.
4. QS to final volume with vehicle.
5. Stir well and transfer to amber bottle. Label bottle appropriately.
6. Before washing, rinse equipment into medication disposal bin, and not directly into sink.

Quality Control:

- Final Appearance: Opaque, white suspension
- Packaging: amber PET plastic or glass bottles, or amber oral syringes
- Storage & BUD: 91 days at room temperature or refrigerated



Sample Label:

<p>Children's Hospital of Eastern Ontario DEXAMETHASONE 1 mg/mL ORAL SUSPENSION SHAKE WELL. Room Temperature/Refrigerated. Quantity: LOT: _____ Expiry: _____</p>

Reference(s):

- Ensom MHH et al. Dexamethasone 1 mg/mL Suspension Prepared from Crushed Tablets: Stability in Glass and Plastic Bottles and Plastic Syringes. CJHP 2016; (69)1:49-51.

Formulation Review:

Master Sheet Revision Dates: *aug 2016; aug 2018; mar 2020 (tab grinder); reviewed Jun 2021.*