Methimazole 1 mg/0.1 mL Cream (Pentravan®)

Total Formula Quantity

100 mL

Ingredients	Quantity	
Methimazole USP	1 grams	
Propylene Glycol USP	5 milliliters	5.18 grams
Pentravan®	q.s. 100 milliliters	

Ingredient Disclaimer

The density of Propylene Glycol is 1.036 g/mL

This formulation contains ingredient(s) that are on the NIOSH List of Antineoplastic and Other Hazardous Drugs in Healthcare Settings. Follow all relevant USP <800> guidelines when handling, storing, and compounding with this material.

Method/Instructions

1. Calculate amount of ingredients needed.
2. Accurately weigh and measure each ingredient.
3. Combine Methimazole and Propylene Glycol with thorough mixing.
4. Add enough Pentravan to Step #3 to bring to final volume and mix thoroughly.
5. Process through Three Roll/Ointment Mill as needed.
6. Mix compound again for 1 minute at a low mix speed, or by hand, and package in an appropriate dispensing device.

Formulation Notes

- For optimal results this formulation should be compounded using a mechanical mixing device to ensure thorough mixing. Next, process through a three roll/ointment mill to reduce ingredient particle size, eliminate grittiness, and enhance the elegance of the final compounded product. Finally, remix in a mechanical mixing device to ensure thorough dispersion

Equipment

FagronLab EMP | Balance | FagronLab PM 140 | FagronLab TRM Ointment Mill | Hood | Hot/Stir Plate | Tube Sealer

Supplies/Dispensers

Topi-Click | Topi-Pump | ExactDose Adapter | Syringe | Tube | Varionozzle | Vaginal Cream Applicator

PPE Notes

Refer to USP <795> current guidelines for specific minimum garbing requirements. Gloves must be worn for all compounding activities. Additional garb may be necessary depending on the type of compounding performed and per the facility's SOP.

Refer to USP <800> current guidelines for specific minimum garbing requirements. Gowns, head, hair, shoe covers, and two pairs of chemotherapy gloves are required for compounding sterile and nonsterile HDs. Refer to current USP <800> and USP <795> or USP <797> guidelines as well as the facility's SOPs for additional information on personal protective equipment (PPE) for non-sterile and sterile hazardous compounding.

Storage

Controlled Room Temperature 20 to 25 °C | Store in a tightly closed container | Protect from light

BUD

Dating per USP <795>

- Non-preserved aqueous = 14 days
- Preserved aqueous = 35 days
- Nonaqueous oral liquids = 90 days
- Other nonaqueous dosage forms = 180 days

AUX

This medication was specially compounded in our pharmacy for you at the direction of your prescriber.

References

- United States Pharmacopeia - National Formulary. Chapter <795> United States Pharmacopeia, Rockville, MD.
- United States Pharmacopeia - National Formulary. Chapter <800> United States Pharmacopeia, Rockville, MD.
- NIOSH List of Antineoplastic and Other Hazardous Drugs in Healthcare Settings, 2016. https://www.cdc.gov/niosh/docs/2016-161/default.html

QC check section

Describe the appearance of the finished compound (color, odor, etc):

Compounded Active Pharmaceutical Ingredients match the original prescription document: Yes / No

Describe the closure container used for finished compound (Topiclick, etc.):

Quality control measures taken and results (pH measurements ,etc):

Visual inspection of compound within expectations: Yes / No

Container closure checked for and free of any leakage and/or cracks: Yes / No

Compounded preparation released for dispensing by (name):

Disclaimer

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