



NATIONWIDE CHILDREN'S

When your child needs a hospital, everything matters.™

Pharmacy

Drug Name	Route	Dosage Form	Concentration
Hydrocortisone/Neomycin	Rectal	Enema	10mg-8.35mg/mL

Formula Qty: 1000mL	Shelf Life: 30 days
----------------------------	----------------------------

Equipment needed:
Conical graduate, two GLASS mortars and pestles

Auxiliary Labels/Storage: Room Temperature; Shake Well; For Rectal Use Only

Directions:

1. Prepare the vehicle by combining the 0.9% NaCl, Methylcellulose 1%, and the Polysorbate 80.
2. Wet the hydrocortisone powder in a GLASS mortar with a minimal amount of the vehicle and levigate to form a viscous, but smooth and uniform paste.
3. Continue adding enough vehicle(about 100ml total) geometrically, mixing well after each addition, to make a suspension.
4. In a separate clean GLASS mortar, wet the neomycin powder with a minimal amount of vehicle and levigate to form a viscous, but smooth and uniform paste.
5. Continue adding vehicle to the neomycin mixture (about 100ml total) , geometrically, mixing well after each addition, to make a suspension.
6. Combine both suspensions in a large graduate, stirring well.
7. Rinse both mortars with vehicle, adding the rinse to the graduate, until almost final volume.
8. QS to final volume with vehicle. Stir well.

Ingredients	QS	Quantity	Units
Hydrocortisone USP Powder		10	Gram
Neomycin Sulfate Powder		8.35	Gram
Polysorbate 80 NF		10	mL
Methylcellulose 1%		495	mL
NaCl 0.9%		495	mL

Citations/References

Nahata MC, Hipple TF, Pai V. Hydrocortisone/Neomycin enema...reference is "experience". Pediatric Drug Formulations. 2004; (5): 144.

Reviewed: 3/22/2010 JEB

Nationwide Children's Hospital Disclaimer

The information provided on this site is for educational and informational purposes and may not be relied upon to direct or provide care to a patient. This material is not intended as a substitute for consulting health care professionals. The health care professionals remain solely responsible to provide and direct patient care. The information contained on this site may not be up to date due to more recent medical developments. The preparation, dispensing, and administration of pharmaceuticals is and remains the responsibility of licensed medical professional or pharmacist. Nationwide Children's Hospital assumes no liability for any injury and/or damage to persons from use of any information contained on this site.