

1% Methylcellulose

SickKids

Last updated: April 2007

Batch No: _____

Disclaimers: CAUTION: The information on The Hospital for Sick Children World Wide Web Site has been developed specifically for The Hospital for Sick Children. It is provided for informational purposes for qualified health care professionals. This material is not intended as a substitute for consulting qualified health care professionals. Patient circumstances will vary and some information may have become outdated as a result of more recent medical developments.

Ingredients	Mfr	Lot #	Expiry Date	Quantity	Measured	Checked
Sodium Benzoate NF* C ₆ H ₅ CO ₂ Na=144.11	Medisca			6g		
Methylcellulose CPS 1500 USP*	Medisca			30g		
Sterile Water for Irrigation USP				qs 3000mL		

* Must use this grade of Methylcellulose

Equipment

- Mettler balance
- Spatula
- Medium weigh bosts x 13
- Electric kettle
- Chesher Rotor blender
- Large weigh boats x13
- 1000mL graduated measure
- 3000mL graduated jug
- Large funnel

Note: Follow all directions exactly. If there is any deviation from the worksheet you must note this. This product is milky in appearance. Once settled it should be a completely clear viscous solution with nothing floating in it.

1. To be made by, or supervised by, experienced personnel
2. Must wear a lab coat/scrub shirt
3. Must wear a hair net
4. If any colds, wear a mask over one's mouth
5. Must wear non-sterile gloves
6. Must ensure bottles that are used are clean (check by looking inside if they look clean)

✓ Procedure

1. Put 24 bottles of Sterile Water for Irrigation into the walk-in refrigerator overnight.
2. Weigh out the Sodium Benzoate on the Mettler balance using the medium weigh boats. Have all 20 weighed out before calling for a check. Leave the last one on the balance to show the correct weight.
3. Weigh out the Methylcellulose on the Mettler balance using the large weigh boats. Use the same procedure as above.
4. Measure 600mL of boiling Sterile Water for Irrigation into the graduated measure. Pour into the blender.
5. Add 6g of Sodium Benzoate to the blender. Mix for 1 minute on speed 3.
6. Add 30g of Methylcellulose to the liquid in the blender. Mix for 2 minutes on speed 3.
7. Measure 2400mL of ice cold Sterile Water for Irrigation in the 3000mL graduated jug. Add to the liquid in the blender quickly and mix for 2 - 3 minutes on speed 3.
8. Transfer the liquid into the Sterile Water containers using a large funnel
9. Refrigerate overnight OR for a minimum of 4 hours before use. (or, until solution looks clear and not milky)



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Storage: Room temperature (finished product)

Expiry: 6 months

Sample Label:

	1% METHYLCELLULOSE SICKKIDS
L#:	EXP:
SHAKE VERY WELL BEFORE USING DISCARD 30 DAYS AFTER OPENING	
DATE OPENED: STORE AT ROOM TEMPERATURE (3L)	

Date and Signature (Technician and Pharmacist Final Check): _____
