Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Mfr</th>
<th>Lot #</th>
<th>Expiry Date</th>
<th>Quantity</th>
<th>Measured</th>
<th>Checked</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Benzoate NF*</td>
<td>Medisca</td>
<td></td>
<td></td>
<td>6g</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C₆H₅CO₂Na=144.11</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Methylcellulose CPS 1500 USP*</td>
<td>Medisca</td>
<td></td>
<td></td>
<td>30g</td>
<td></td>
<td></td>
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<tr>
<td>Sterile Water for Irrigation USP*</td>
<td></td>
<td></td>
<td></td>
<td>qs 3000mL</td>
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</tbody>
</table>

* Must use this grade of Methylcellulose

Equipment

- Mettler balance
- Spatula
- Medium weigh boats 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)
1% Methylcellulose

SickKids

Last updated: April 2007

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

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