

Methylcellulose Suspension 10 mg/mL (1%)

INGREDIENTS:

Methylcellulose powder 4,000 cP	10 g
Methylparaben powder	200 mg
Propylparaben powder	100 mg
Purified water USP	QSAD: 1,000 mL

EQUIPMENT AND SUPPLIES:

Powder containment hood, pharmaceutical analytical scale, beaker, hot plate, magnetic stirrer, graduated cylinder

PREPARATION DETAILS:

1. Heat 200 mL of purified water to boiling.
2. Add parabens in and mix well.
3. Wet the methylcellulose powder and add to the hot solution.
4. Allow to stand for 15 minutes.
5. Remove from heat and add cold purified water to total volume indicated above while mixing well with a magnetic stirrer.
6. Keep mixing until a clear, homogeneous solution results.

Quality-Control Procedures — Visually inspect for physical appearance of formulation and container closure integrity (no leakage, cracks in container, or improper seals).

Labeling Requirements — Extemporaneously compounded preparation. For oral use only. Store at room temperature. Shake well before use.

Storage Conditions/Stability — Store at room temperature. Stability unknown.

STABILITY STUDY DETAILS:

Study Container Type — Not specified.

Referenced Manufacturer — Not specified.

Stability-Indicating Study — No

Footnote — No stability information was reported for methylcellulose suspension 10 mg/mL. This formulation should only be used as a vehicle to prepare other formulations in this book for which stability studies were conducted.

REFERENCE

1. Nahata MC, Pai VB, eds. Pediatric Drug Formulations. 6th ed. Cincinnati, OH: Harvey Whitney Books Co; 2011.