

EXTERNAL WEBPAGE MASTER FORMULA

Compound Name: Pentoxifylline	Container-closure system(s): tight, light-resistant container
Strength: 20 mg/mL	Preservatives: None
Dosage Form: Oral Suspension	Beyond Use Date (compound type): 90 days
Product Description: Opaque suspension	Storage: Refrigerate (preferred) or Room Temperature
Auxiliary Labels: <input type="checkbox"/> Take with food <input checked="" type="checkbox"/> Shake Well <input type="checkbox"/> For external use only <input type="checkbox"/> Refrigerate <input type="checkbox"/> Do not use after: <input type="checkbox"/> Do not take with dairy products <input type="checkbox"/> Do not refrigerate <input type="checkbox"/> For the Ears <input type="checkbox"/> Avoid prolonged sun exposure <input type="checkbox"/> Take even if you feel fine <input type="checkbox"/> For the Eyes <input checked="" type="checkbox"/> Other: Protect from light	
Quality control procedures (ex: pH test, etc.): Visual inspection of final product	
Ingredients: Pentoxifylline 400mg ER Tablets Sterile water for irrigation (QS)	

Instructions for preparation:**Directions:**

1. Crush tablets in a mortar and triturate to a fine powder.
2. Wet powder with a minimal amount of vehicle and levigate to form a viscous, but smooth and uniform paste.
3. Continue adding vehicle, geometrically, mixing well after each addition.
4. Transfer to a graduate.
5. Rinse mortar with vehicle, adding rinse to graduate, until almost final volume.
6. QS to final volume with vehicle. Stir well.
7. Transfer contents to the glass container of a blender and blend for at least 10 minutes. After blending, the suspension may have bubbles so allow the blended suspension to sit for approximately 30 minutes prior to transfer. Note: Pharmacist to check final volume prior to transferring to the blender.

Calculations:

Ingredient Name/Strength/Form	QS	Quantity	Units
Pentoxifylline 400 mg ER tablets		5	tablets
Sterile Water for Irrigation	X	100	mL

Equipment/ Supplies:

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Mortar and Pestle | <input checked="" type="checkbox"/> Stirring rod | <input type="checkbox"/> Ointment slab |
| <input checked="" type="checkbox"/> Graduated cylinder(s) | <input type="checkbox"/> Spatula | <input type="checkbox"/> Balance |

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When your child needs a hospital, everything matters.

☐ Weigh paper
☒ Counting tray

☒ Amber (plastic/glass) bottle
☐ Syringe (Oral)

☐ Ointment jar
☐ Funnel

References:

1. Abdel-Rahman S, Nahata MC. Stability of Pentoxifylline in Extemporaneously Prepared Oral Suspension. *Am J Health Syst Pharm.* 1997; (12): 446-448.
2. United States Pharmacopeia (2022). *USP Monographs. Pentoxifylline Compounded Oral Suspension.* USP-NP. Rockville, MD: United States Pharmacopeia.

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