

Pentoxifylline Solution 20 mg/mL

INGREDIENTS:

Pentoxifylline 400 mg tablet	6 tablets
Distilled water	QSAD: 120 mL

EQUIPMENT AND SUPPLIES:

Powder containment hood, mortar and pestle, graduated cylinder

PREPARATION DETAILS:

1. Triturate tablets to a fine powder with a mortar and pestle.
2. Levigate powder with a small amount of vehicle to form a paste.
3. Add vehicle in increasing amounts while mixing thoroughly.
4. Transfer contents of the mortar to a graduated cylinder.
5. Rinse the mortar and pestle with vehicle and pour into graduated cylinder.
6. Add vehicle to the graduated cylinder to achieve the total volume indicated above.
7. Transfer contents of the graduated cylinder into an appropriately sized amber bottle.
8. Shake well to mix.

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 or refrigerate. Shake well before use.

Storage Conditions/Stability — Store at room temperature or refrigerate. Stable for 91 days.

STABILITY STUDY DETAILS:

Study Container Type — Amber glass prescription bottle and amber plastic prescription bottle

Referenced Manufacturer — Pentoxifylline tablets (Trental, Hoechst-Roussel, Inc); distilled water (not specified).

Stability-Indicating Study — Yes

REFERENCE

1. Abdel-Rahman SM, Nahata MC. Stability of pentoxifylline in an extemporaneously prepared oral suspension. *Am J Health Syst Pharm.* 1997;54:1301-1303.