

## Pantoprazole Solution 2 mg/mL—Formulation 2

### INGREDIENTS:

Pantoprazole 40 mg tablet	6 tablets
Sodium bicarbonate 4.2% injection	QSAD: 120 mL

### EQUIPMENT AND SUPPLIES:

Powder containment hood, mortar and pestle, beaker, magnetic stirrer, graduated cylinder

### PREPARATION DETAILS:

1. Remove imprint from tablets by gently rubbing with a paper towel dampened with ethanol.
2. Allow tablets to air-dry for a few minutes.
3. Triturate tablets to a fine powder with a mortar and pestle.
4. Transfer the contents of the mortar to an appropriately sized beaker.
5. Add vehicle to the beaker to achieve the total volume indicated above.
6. Place the beaker on a magnetic stirrer and stir for 30 minutes.
7. Transfer solution 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 14 days when refrigerated, 24 hours when stored at room temperature, and 90 days when stored at  $-20^{\circ}\text{C}$ .

### STABILITY STUDY DETAILS:

**Study Container Type** — 20-mL polypropylene syringe

**Referenced Manufacturer** — Not specified.

**Stability-Indicating Study** — No

### REFERENCE

1. Ferron GM, Ku S, Abell M, et al. Oral bioavailability of pantoprazole suspended in sodium bicarbonate solution. *Am J Health Syst Pharm*. 2003;60:1324-1329.