

## Acetylcysteine Solution 100 mg/mL

### INGREDIENTS:

Acetylcysteine 20% solution for inhalation	60 mL
Bacteriostatic sodium chloride 0.9% injection	QSAD: 120 mL

### EQUIPMENT AND SUPPLIES:

Powder containment hood, 4 × 18-G needles, 2 × 10-mL syringes, 2 × 50-mL syringes

### PREPARATION DETAILS:

1. Measure out acetylcysteine solution and bacteriostatic sodium chloride 0.9% injection and place into appropriately sized amber bottle.
2. 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. Shake well before use.

**Storage Conditions/Stability** — Store at room temperature. Stable for 60 days.

### STABILITY STUDY DETAILS:

**Study Container Type** — Amber plastic prescription bottle with child-resistant cap

**Referenced Manufacturer** — Acetylcysteine solution, bacteriostatic sodium chloride injection (Hospira).

**Stability-Indicating Study** — Yes

### REFERENCE

1. Fohl AL, Johnson CE, Cober MP. Stability of extemporaneously prepared acetylcysteine 1% and 10% solutions for treatment of meconium ileus. *Am J Health Syst Pharm.* 2011;68(1):69-72.