

## Diazoxide Suspension 10 mg/mL—Formulation 1

### INGREDIENTS:

Diazoxide 100 mg capsule	12 capsules
Oral Mix	QSAD: 120 mL

### EQUIPMENT AND SUPPLIES:

Powder containment hood, mortar and pestle, graduated cylinder

### PREPARATION DETAILS:

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

**Alternatives** — May substitute vehicle with Oral Mix SF.

**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 90 days.

### STABILITY STUDY DETAILS:

**Study Container Type** — Amber polyethylene terephthalate (PET) bottle with black phenolic cap and 1-mL amber plastic oral syringe with tip cap

**Referenced Manufacturers** — Diazoxide capsules (Proglycem, Merck & Co); Oral Mix, Oral Mix SF (Medisca).

**Stability-Indicating Study** — Yes

**Commercially available as a 50-mg/mL suspension** — Use extemporaneously prepared formulation only when commercial product is unavailable or a more dilute suspension is desired.

### REFERENCE

1. Friciu M, Zarea S, Roullin VG, et al. Stability of diazoxide in extemporaneously compounded oral suspensions. *PLoS One*. 2016;11(10):e0164577. doi:10.1371/pone.0164577.