

Baclofen Syrup 5 mg/mL*

INGREDIENTS:

Baclofen 20 mg tablet	30 tablets
Glycerin USP	small amount
Simple syrup NF	QSAD: 120 mL

EQUIPMENT AND SUPPLIES:

Powder containment hood, glass mortar and pestle, graduated cylinder

PREPARATION DETAILS:

1. Triturate tablets to a fine powder with a mortar and pestle.
2. Levigate powder with glycerin 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 in refrigerator. Shake well before use.

Storage Conditions/Stability — Refrigerate. Stable for 35 days.

STABILITY STUDY DETAILS:

Study Container Type — Amber type III glass prescription bottle with child-resistant cap

Referenced Manufacturers — Baclofen tablets (Lioresal, Ciba-Geigy Corp); glycerin (Brite Life); simple syrup (Humco).

Stability-Indicating Study — Yes

Commercially available as a 1-mg/mL solution — Use extemporaneously prepared formulation only when commercial product is unavailable or a more concentrated syrup is desired.

REFERENCE

1. Johnson CE, Hart SM. Stability of an extemporaneously compounded CE baclofen oral liquid. *Am J Hosp Pharm.* 1993;50(11):2353-2355.