

Etoposide Solution 10 mg/mL

INGREDIENTS:

Etoposide 20 mg/mL injection	60 mL
Sodium chloride 0.9% for injection	QSAD: 120 mL

EQUIPMENT AND SUPPLIES:

Containment ventilated enclosure (CVE) or biological safety cabinet (BSC), 2 × 18-G needles, 2 × 60-mL syringes, graduated cylinder

PREPARATION DETAILS:

Caution: Hazardous Drug—Antineoplastic drug: Must be prepared in compliance with USP <800>.

1. Withdraw volume of injectable solution using a 60-mL syringe.
2. Transfer the solution to a graduated cylinder.
3. Add vehicle to the graduated cylinder to achieve the total volume indicated above.
4. Transfer contents of the graduated cylinder into an appropriately sized amber bottle.
5. 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. Caution: antineoplastic drug. For oral use only. Store at room temperature. Shake well before use.

Storage Conditions/Stability — Store at room temperature. Stable for 22 days.

STABILITY STUDY DETAILS:

Study Container Type — 5-mL plastic oral syringe

Referenced Manufacturers — Etoposide injection (VePesid, Bristol-Myers Squibb); sodium chloride 0.9% for injection (Lyphomed, Inc).

Stability-Indicating Study — Yes

REFERENCE

1. McLeod HL, Relling MV. Stability of etoposide solution for oral use. *Am J Hosp Pharm.* 1992;49(11):2784-2785.