

## 74 amphotericin B lipid complex

- That product must be taken in equal intervals around the clock to maintain blood levels
- To wear or carry emergency ID if allergic to penicillins
- **Pregnancy/breastfeeding:** To notify health care professional if pregnancy is planned or suspected or if breastfeeding; to use another form of contraception if taking oral contraceptives, effect maybe decreased

**TREATMENT OF HYPERSENSITIVITY:** Withdraw product, maintain airway, administer EPINEPHrine, aminophylline, O<sub>2</sub>, IV corticosteroids for anaphylaxis

### **⚠ HIGH ALERT**

#### **amphotericin B lipid complex (ABLC) (Rx)**

(am-foe-ter'i-sin)

**Abelcet**

*Func. class.:* Antifungal

*Chem. class.:* Amphoteric polyene

#### **Do not confuse:**

**Abelcet/amphotericin B**

**ACTION:** Increases cell membrane permeability in susceptible fungi by binding sterols; alters cell membrane, thereby causing leakage of cell components, cell death

**USES:** Indicated for the treatment of invasive fungal infections in patients who cannot tolerate or have failed conventional amphotericin B therapy; broad-spectrum activity against many fungal, yeast and mold pathogen infections, including *Aspergillus*, *Zygomycetes*, *Fusarium*, *Cryptococcus*, and many hard-to-treat *Candida* species; *Aspergillus fumigatus*, *Aspergillus* sp., *Blastomyces dermatitidis*, *Candida albicans*, *Candida guilliermondii*, *Candida* sp., *Candida stellatoidea*, *Candida tropicalis*, *Coccidioides*

*immitis*, *Cryptococcus* sp., *Histoplasma* sp., sporotrichosis

**CONTRAINDICATIONS:** Hypersensitivity

**Precautions:** Anemia, breastfeeding, cardiac disease, children, electrolyte imbalance, geriatric patients, hematologic/hepatic/renal disease, hypotension, pregnancy

### **DOSAGE AND ROUTES**

- **Adult:** IV 5 mg/kg/day

#### **Renal dose**

- **Adult:** IV CCr <10 mL/min give 5 mg/kg q24-36hr

**Available forms:** Susp for inj 5 mg/mL

#### **Administer:**

- **Do not confuse the four different types; these are not interchangeable:** conventional amphotericin B, amphotericin B cholesteryl, amphotericin B lipid complex, amphotericin B liposome

- May premedicate with acetaminophen, diphenhydramine

- Use only after C&S confirms organism

#### **IV route**

- Give product only after C&S confirms organism, product needed to treat condition; make sure product is used for life-threatening infections

- Handle with aseptic technique amphotericin B lipid complex (ABLC) has no preservatives; visually inspect parenteral products for particulate matter and discoloration before use

#### **Filtration and dilution:**

- Before dilution, store at 36°-46° F (2°-8° C), protected from moisture and light; do not freeze; the diluted, ready-for-use admixture is stable for up to 48 hours at 36°-46° F (2°-8° C) and an additional 6 hr at room temperature; do not freeze

- Prepare by shaking the vial until no yellow sediment remains

- Transfer the appropriate amount of drug from the required number of vials into one or more sterile syringes using an 18-gauge needle