

Datasheet

Amphotericin B

Antifungal Drug

Product	Description	Catalogue-No.	Size
Amphotericin B	Antifungal drug, water soluble, powder	P06-01225P P06-01250P	25 mg 50 mg

Product description

Amphotericin B water soluble is a polyene antifungal antibiotic derived from *Streptomyces nodosus*. It associates with membrane sterols in mammalian and fungal cell membranes. After binding to sterols Amphotericin B forms channels in the membranes, causing small molecules to leak out and ultimately leading to cell death.

Amphotericin B is active against mammalian and fungal (yeasts and molds) cells. It is not toxic to bacteria due to their lack of sterols.

Storage conditions

Storage conditions: +2-8°C
 Stability: 5 years from date of production
 Filling: 25 mg, 50 mg, other sizes on request

Composition

Amphotericin B water soluble is a colloidal suspension, using deoxycholate as the solubilising agent. The powder consists of 45% Amphotericin B and 35% sodium deoxycholate in sodium phosphate and sodium chloride.

Special Advantages

Amphotericin B is used as an antimycotic selective agent in several selective media formulations to inhibit the growth of background fungal growth.

Furthermore it can be used in eukaryotic cell culture for control or prevention of fungal contamination.

Instructions for use

Minimum inhibitory concentrations of Amphotericin B range from 0.03 – 1 µg/ml for a variety of organisms (e.g. *Candida albicans*, *Candida krusei*, *Coccidioides immitis*, *Cryptococcus neoformans*, *Fusarium oxysporum*). It is not active against bacteria, rickettsia or viruses.

Because of its toxicity to cell lines at high concentrations it is not recommended to use Amphotericin B at a concentration greater than 2.50µg/ml.

Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.

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