250 μg/mL Amphotericin B Solution

Cat. No: PB180127

Size: 10mL

General Information

Product Form	Liquid
Concentration	250 μg/mL
pH	7.0-7.4
Amphotericin B	250ug/mL
Recommended working concentration	0.5-25 μg/mL
Dissolvent	10mM PBS
Antimicrobial spectrum	Fungi
Storage	-5~-20℃ ,Shading Light
Shipping	Ice bag or dry ice
Expiration date	12 months

Background

Amphotericin B, also known as Lushanmycin, is a polyene antifungal antibiotic isolated from the culture supernatant of Streptomycesnodosus. Its antibacterial mechanism it can combine with ergosterol on the membrane of the fungus, resulting in cell membrane damage, the permeability is improved, thematerial inside the cell are leakaged, which disrupts normal metabolism and plays a bacteriostatic effect. Bacteria are ineffective because they do not contain ergosterol on their cell membranes. Amphotericin B has a broad antifungal spectrum, is effective against almost all fungi, and resistant strains are rare. It exhibits bactericidal effect at high concentrations. The amphotericin B solution is unstable at room temperature, easily damaged by light, heat and acid, and has the strongest antibacterial effect at pH 6.0-7.5.

Notes

1. This product is for research use only.;
2. This product is sterilized by 0.1μm filtration.;
3. It is necessary to pay attention to the aseptic operation and avoid the pollution.;
4. It is not recommended to store this product at room temperature for a