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
Dissolvent	Purified water
Recommended working	0.5-25 μg/mL
Antimicrobial spectrum	Fungi
Storage	-5~-20°C, shading light
Shipping	Ice bag
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 only used for scientific research or further research, not for diagnosis and treatment.
2. This product is sterilized by 0.1 μm filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the pollution.
4. It is not suitable for long time storage at room temperature or 2-8°C.
5. Thaw in 2-8°C and mix fully before use.Avoid repeated freezing and thawing. It is recommended to aliquot the solution and store at -5~-20°C.
6. This product is a concentrated solution and dilute it to the desired concentration before use.