50 mg/mL Hygromycin B Solution

Cat. No.: PB180126
Size: 10mL

General Information

Product Form	Liquid
Concentration	50 mg/mL
HEPES	Negative
Storage	2-8°C, Shading Light
Shipping	Ice bag
Expiration date	12 months

Background

Hygromycin B (Hygromycin B) is an aminoglycoside antibiotic commonly used as a resistance screening reagent. It can inhibit protein synthesis by interfering with 70S ribosome translocation and inducing misreading of mRNA templates, thereby killing bacteria, fungi and advanced eukaryotic cells. The hygromycin B phosphotransferase encoded by the hygromycin resistance gene (hyg or hph) derived from E.coli can convert hygromycin B into a phosphorylated product without biological activity, thereby playing a detoxification role. Therefore, hygromycin B is often used to screen and maintain prokaryotic or eukaryotic cells that have successfully transfected hygromycin resistance genes. Hygromycin B is also often used in combination with G418, Zeocin or Blasticidin S for selection of double-resistant positive cell lines due to differences in mode of action. In addition, hygromycin B can also be used as an antiviral agent or mixed into animal feed to play an insect repellent function.

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 recommended to store this product at room temperature for a long time.
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.