

Product Information

Hygromycin B Solution (50 mg/ml)

Cat. No.: TX010-960 Volume: 10 ml

Product Description

Hygromycin B is a unique aminoglycoside antibiotic produced by *Streptomyces hygroscopicus* that kills bacteria, fungi and higher eukaryotic cells by inhibiting protein synthesis.

It is used for the selection and maintenance of prokaryotic and eukaryotic cells that contain the hygromycin B resistance gene. Resistance to hygromycin B is conferred by the *E. coli* hygromycin B resistance gene (*hyg* or *hph*). Hygromycin B has a different mode of action than G-418 or Blasticidin S selection reagents, making it an excellent choice for dual-selection experiments.

Hygromycin B is used as a selection antibiotic in the concentration range of 200 – 500 µg/ml.

Applications

- Selection antibiotic
- Hygromycin B phosphotransferase inactivates hygromycin B
- Transfections with the *hyg* or *hph* gene are resistant to hygromycin B
- Transient and/or stable transfected cells

Features

- Antibiotic with a broad spectrum of activity
- High purity
- High activity
- Sterile solution

Product Specifications

CAS No. (solid)	31282-04-9
Endotoxin	≤10 EU/ml
Sterility	Tested
Storage	Shipped at ambient temperature. Store at +2°C to +8°C. Hygromycin B is light sensitive. Store protected from light.
Solvent	Water
Working concentration	Recommended final concentration: 200 – 500 µg/ml

Precautions and Disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.