

Hygromycin B, Solution (50 mg/ml)

General information

Hygromycin B is a unique aminoglycoside antibiotic produced by **Streptomyces hygrosopicus** 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.

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

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

Precautions and disclaimer

This product is for research use only.

Ordering information

Catalogue number	Pack size
LTTran07	10 ml

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