

Product Information

Hygromycin B Solution (50 mg/ml)
Cat. No. HYG-H (10 ml)

General Information

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

Appearance	Clear solution
CAS No. (solid)	31282-04-9
Storage and shelf life	Store at +2°C to +8°C. Hygromycin B is light sensitive. Store protected from light.
Shipping conditions	Ambient
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.

Help Needed?

If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email (techservice@capricorn-scientific.com) or phone (+49 6424 944640).