

## Product Information

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

### General Information

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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

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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

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

### Help Needed?

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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).