

Erythromycin solution (50 mg/mL, Sterile)

Cat. No.: E1509555 | Pack size: 10 mL | Storage: Protected from light, Store at -20°C

Product Introduction

Erythromycin is a macrolide antibiotic derived from *Streptomyces erythreus*, with a CAS number of 114-07-8 and a molecular weight of 733.93. It exhibits excellent antibacterial activity against Gram-positive bacteria, such as *Streptococcus viridans*, *Staphylococcus* spp., *Bacillus anthracis*, *Streptococcus pyogenes*, *Streptococcus* spp., *Streptococcus hemolyticus*, *Clostridium* spp., etc. In addition, certain Gram-negative bacteria can also be inhibited by erythromycin to a certain extent. Erythromycin binds to bacterial polyribosomes to inhibit peptide chain elongation, thus exerting a bacteriostatic effect. It is effective against strains that are sensitive to erythromycin but resistant to penicillin.

Erythromycin is commonly used for infections caused by penicillin-resistant *Staphylococcus aureus* and for *Staphylococcus aureus* infections in patients allergic to penicillin.

The Erythromycin Solution (50 mg/mL) consists of erythromycin and absolute ethanol. It is sterilized by filtration and is intended exclusively for biological research purposes, not for clinical use.

Operating Procedures (For Reference Only)

Operate in accordance with specific experimental requirements.

Precautions

1. Ensure aseptic operation to avoid contamination.
2. For your safety and health, wear a lab coat and disposable gloves during operation.
3. This product is for research use only. Any other applications are strictly prohibited.

Specifications

Attribute	Value
Synonyms	Erythromycin solution
Specifications & Purity	sterile-filtered, BioReagent, for cell culture, sterile, 50 mg/ml
Stability And Storage	Store at -20°C long term (12 months). Store in the dark.

Attribute	Value
Storage Conditions	Protected from light, Store at -20°C
Shipped In	Ice chest + Ice pads This product requires cold chain shipping. Ground and other economy services are not available.

Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, our regional teams are ready to assist. Please contact the office for your region; for general inquiries, the North American office is the corporate primary.

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Limitations & Disclaimer

- ☐ For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, or in vivo applications. Not for food, cosmetic, or household use.
- ☐ This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared device under 21 CFR. Use is restricted to verified businesses, institutions, and qualified professionals for research and development purposes.
- ☐ Where any kit component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), the product Safety Data Sheet (SDS) takes precedence over this document for handling, storage, and disposal information.
- ☐ Performance depends on sample type, sample condition, handling, and operator technique. Users are responsible for validating the kit for their specific application.
- ☐ Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If product formulation, label, SDS, storage conditions, pack size, or quality specifications change, this document must be reviewed and reissued.