

Stock Solution



TD-S Revision 2.0

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25 mg/ml Amoxicillin Sodium Stock Solution

Instructions

1. Weigh 0.25 g of Amoxicillin Sodium Salt ([Amoxicillin Sodium Salt, GoldBio Cat# A-551](#) [CAS 34642-77-8, mw. = 387.39 g/mol]).
2. Add 10 ml of sterile H₂O. Dissolve completely.
3. Prewet a 0.22 µm syringe filter by drawing through 5-10 ml of sterile H₂O and discard water.
4. Sterilize Amoxicillin stock through the prepared 0.22 µm syringe filter.
5. Stock may be stored in small aliquots at -70°C for up to 3 months.

Reference

Okerman, Lieve, Johan Van Hende, and Lieven De Zutter. "Stability of frozen stock solutions of beta-lactam antibiotics, cephalosporins, tetracyclines and quinolones used in antibiotic residue screening and antibiotic susceptibility testing." *Analytica chimica acta* 586.1 (2007): 284-288.

Gold Biotechnology

St. Louis, MO

Ph: (800) 248-7609

Web: www.goldbio.com

Email: contactgoldbio86@goldbio.com