5 mg/ml Ampicillin Trihydrate Stock Solution

Instructions

1. Weigh 0.05 g of Ampicillin Trihydrate (Ampicillin Trihydrate, GoldBio Cat# A-303 [CAS 7177-48-2, mw. = 403.45 g/mol]).

2. Add 10 ml of sterile H$_2$O. Dissolve completely

   Alternatively: Ampicillin Trihydrate is more freely soluble in dilute acidic or basic solution (>50 mg/ml), but can degrade quickly so prepare solutions fresh in 1M ammonium hydroxide or 1M HCl if a higher concentration stock solution is desired.

3. Prewet a 0.22 µm syringe filter by drawing through 5-10 ml of sterile H$_2$O and discard water.

4. Sterilize Ampicillin stock through the prepared 0.22 µm syringe filter.

5. Stock may be stored in small aliquots at -20°C for 6 months or -70°C for up to 1 year.

References

