

Ampicillin stock solution and working media

Materials:

- 25 g of ampicillin trihydrate
- dH₂O

For stock solution of 50 mg/mL:

- Dissolve 1 g of ampicillin trihydrate in 20 mL of dH₂O
- Filter sterilise solution with 0.2 µm sterile filter
- Store at - 20 °C (stable for months)

For working solution with final concentration of 100 µg/mL in the media:

- Add 2 µL of stock solution (50 mg/mL) per mL of sterile media (autoclaved and cooled to 50 °C)
- Store at 2-8 °C (up to 2 weeks)

References:

- <https://www.sigmaaldrich.com/deepweb/assets/sigmaaldrich/product/documents/145/149/a9393pis.pdf>
- <http://www.med.umich.edu/wicha-lab/SOP/SOP%204.10-%20preparation%20of%20ampicillin.pdf>