Sep 21, 2025

1000x streptomycin stock (50 mg/ml)

DOI
https://dx.doi.org/10.17504/protocols.io.8epv5k325v1b/v1

Jordan Ward[1]

[1]UC, Santa Cruz

Jordan Ward
UC, Santa Cruz

DOI: https://dx.doi.org/10.17504/protocols.io.8epv5k325v1b/v1

Protocol Citation: Jordan Ward 2025. 1000x streptomycin stock (50 mg/ml). **protocols.io** https://dx.doi.org/10.17504/protocols.io.8epv5k325v1b/v1

Protocol status: Working
We use this protocol and it's working

Created: September 19, 2025

Last Modified: September 21, 2025

Protocol Integer ID: 227729

Keywords: 1000x streptomycin stock

Funders Acknowledgements:
NIH
Grant ID: R35GM158317

Abstract

Our standard protocol for making streptomycin stock solutions

1 Weigh 5 grams of streptomycin (VWR/Avantor 97061-528) and add to a small beaker.

2 Add a magnetic stir bar and 50 ml of milliQ water and put on a magnetic stir plate. Mix until streptomycin is dissolved.

3 Put a sterile 0.22 µm syringe filter onto a 50 ml sterile syringe and use it to sterilize streptomycin stock, injecting it into a sterile 50 ml conical tube.

4 Make 1 ml aliquots and store at -20ºC. Aliquots are good for at least one year.