JAN 07, 2020

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.ba3bigin

External link:
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4070006/pdf/nihms-594321.pdf>

Protocol Citation: Kenneth Schackart 2020. Preparation of Frozen Bacteria Stock.
protocols.io
<https://dx.doi.org/10.17504/protocols.io.ba3bigin>

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

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

Created: Jan 07, 2020

Last Modified: Jan 07, 2020

PROTOCOL integer ID:
 31555

Preparation of Frozen Bacteria Stock

Kenneth Schackart¹

¹University of Arizona

Yoon Lab

Kenneth Schackart
 University of Arizona

ABSTRACT

This protocol details how to prepare bacteria culture for deep freezing. Protocol adapted from the protocol provided as an external link.

Reference:

Vitko N.P. and Richardson A.R. 2013. Laboratory Maintenance of Methicillin-Resistant *Staphylococcus aureus* (MRSA). *Curr Protoc Microbiology*. Basic Protocol 4: Preparation of *S. aureus* Frozen Stocks.

GUIDELINES

Gloves must be worn at all times. Observe aseptic technique to reduce the risk of contamination.

MATERIALS

MATERIALS

DMSO Sigma Aldrich Catalog #D1435

- Cryotube(s)
- Overnight bacteria culture in broth
- Dimethyl sulfoxide (DMSO)

BEFORE START INSTRUCTIONS

Suggested: sterilize cryotube in biosafety cabinet UV.

Prepare Stocks

- 1 Add 150 µL sterile DMSO to sterile cryotube.
- 2 Add 850 µL overnight culture to cryotube containing.
- 3 Vortex or invert repeatedly to mix.
- 4 Store cryotube in deep freezer (-40 °C to -80 °C)

Update Inventory

- 5 Go to the frozen storage inventory and add at a minimum the following information:
 - Storage location
 - Your name
 - Date
 - Organism identification