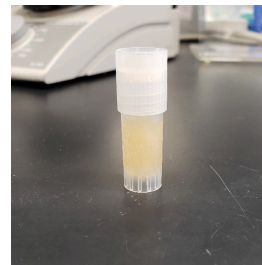


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Preparation of Frozen Bacteria Stock

DOI

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Kenneth Schackart¹

¹University of Arizona

Yoon Lab



Kenneth Schackart

University of Arizona

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

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Protocol status: Working

We use this protocol and it's working

Created: January 07, 2020

Last Modified: January 07, 2020

Protocol Integer ID: 31555



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 Merck MilliporeSigma (Sigma-Aldrich) Catalog #D1435





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

Before start

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