



Jan 07,
2020

Preparation of Frozen Bacteria Stock [↗](#)

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Works for me

[dx.doi.org/10.17504/protocols.io.ba3bigin](https://doi.org/10.17504/protocols.io.ba3bigin)



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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.

EXTERNAL LINK

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

GUIDELINES

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

MATERIALS

NAME	CATALOG #	VENDOR
DMSO	D1435	Sigma Aldrich

MATERIALS TEXT

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

BEFORE STARTING

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



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