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# Frozen stocks

Elizabeth Fozo<sup>1</sup><sup>1</sup>In-house protocol

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Works for me

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## ABSTRACT

Preparation of frozen stocks for the PERMANENT lab collection

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## KEYWORDS

frozen stocks, stocks, stocks for lab collection

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## ABSTRACT

Preparation of frozen stocks for the PERMANENT lab collection

## BEFORE STARTING

Frozen stocks for the permanent lab collection must be done as quickly as possible to prevent the development of mutations! You may make frozen stocks for yourself of your putative strains while you await sequencing to prevent a delay in strain confirmation/rise of mutations!

You must notify Dr.Fozo in advance as to when you will be giving vials for the collection!

## Steps

- 1 Begin a 10 mL overnight of the strain in an appropriate media with antibiotics as necessary. Incubate at the appropriate temperature overnight.
- 2 In the morning harvest the culture by spinning cells down at 3500 RMP for 10 minutes (program 1).
- 3 Resuspend the pellet in 1 mL of the media used to grow the strain
- 4 Add 1 mL of 80% glycerol and mix the culture well.
- 5 Transfer approximately 1.7 mL of the suspension (do not overfill the tube!) to a Nunc Cryovial
- 6 Label the tube with the organism, what it is, and any antibiotic resistance or growth specifics (if it only grows at 30°C, then say so!)
- 7 The vial must be given to the instructor with a note containing the following information
  - Strain background
  - What it is (deletion of gene X, etc.)
  - Antibiotic resistance
  - Temperature restrictions
  - If it is a plasmid: plasmid backbone (i.e. pBR-pLac, pLT06, etc.)
  - Your name
  - The date