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Making glycerol stocks of bacteria

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ABSTRACT

Freezing down a bacterial culture for long-term storage.

MATERIALS

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Liquid LB medium **Contributed by users**

DEPC water **Contributed by users**

Glycerol 99 % Certified AR for Analysis Fisher Chemical **Fisher Scientific Catalog #G/0650/17**

b-broth **Contributed by users**

fresh bacterial culture **Contributed by users**

cryovial **Contributed by users**

-80 freezer **Contributed by users**

SAFETY WARNINGS

Depending on the kind of bacteria you are working with, you will have to adapt your working conditions.

BEFORE START INSTRUCTIONS

Make sure you have a fresh bacterial culture.

OPEN ACCESS

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

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- 1 Make sure you have autoclaved glycerol, cryovials and a fresh bacterial culture in liquid b-broth or LB. If you don't have a fresh bacterial culture, you can grow them in b-broth or LB medium at 180 rpm in flasks.

5m

- 2** Prepare a sterile 50% glycerol/50% DEPC water solution. 5m
- 3** Add 1 ml 50/50 solution to as many cryovials as you want, e.g. 6 5m
- 4** Add 1 ml of bacterial culture to the cryovials, close them with the cap and shake them. 5m
- 5** Store the cryovials in the -80 ° freezer. 2m