



Making glycerol stocks of bacteria

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Working



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ABSTRACT

Freezing down a bacterial culture for long-term storage.

MATERIALS

| NAME ▾ | CATALOG # ▾ | VENDOR ▾ |
|---|---------------------------|-----------------------------------|
| Liquid LB medium | | |
| DEPC water | View | |
| Glycerol 99 % Certified AR for Analysis Fisher Chemical | G/0650/17 | Fisher Scientific |
| b-broth | View | |
| fresh bacterial culture | View | |
| cryovial | View | |
| -80 freezer | View | |

SAFETY WARNINGS

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

BEFORE STARTING

Make sure you have a fresh bacterial culture.

- 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

Store the cryovials in the -80 ° freezer. 2m



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