

Bacterial Glycerol Stock

Introduction

Protocol for producing a glycerol stock of *E. coli* adapted by Jacob Mejlsted from [Addgene's protocol](#).

Materials

› Consumables

- › 2 mL screw top tube or cryovial

› Chemicals

- › 50% glycerol
- › Cell culture

Procedure

Making the stock

1. After having cultivated a culture overnight, add 500 μ L culture to 500 μ L 50% glycerol in the selected tube
2. The stock can now be frozen at -80°C

If the stock is repeatedly thawed and frozen, it will reduce the shelf life of the culture

Using the stock

3. To recover bacteria, take a inoculation loop, toothpick or pipette tip and scrape a small amount of bacteria off the top.
4. Transfer this to a plate or a tube with liquid media for growth.

Normally, media with antibiotics are used. Here Amp and Cam are among the most used.