

Creating a Glycerol Stock

By Penn iGEM 2013

Goal: Make a lasting stock of bacteria that can be grown later. This stock should be stored at -80 degrees Celsius.

Protocol:

- 1) Make a stock of 50% glycerol
 - a. Obtain 2 50mL centrifuge tube
 - b. Add 25mL 99.9% glycerol
 - c. Add 25mL Milli-Q water
 - d. Vortex until consistent
 - e. Filter solution through 0.22um filter using syringe into other tube
- 2) Add 560uL of overnight culture to cryogenic vial tube
- 3) Add 140uL of 50% glycerol to cryogenic vial tube
- 4) LIMS it and store in -80 degree Celsius freezer