

iGEM TU/e 2015

Biomedical Engineering

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Glycerol Stock

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1 Glycerol Stock

Estimated bench time: 5 minutes per sample

Estimated total time: 10 minutes per sample

Purpose: Preparing the bacteria for long term storage in the -80 °C freezer.

It is essential to work sterile, thus disinfect your hands and work near a Bunsen Burner. For working with liquid nitrogen it is important to wear Cryo gloves.

1.1 Materials

- Autoclaved glycerol (50%)
- Bacterial cultures
- Bunsen Burner
- CryoTubes
- Pipettes and tips

1.2 Setup & Protocol

- Fill CryoTubes with 300 µl 50% glycerol and 700 µl of the bacterial culture. Mix well.
- Snap freeze the samples in liquid nitrogen and transfer them to the -80 °C freezer.