

Glycerol Stocks

This protocol creates glycerol stocks to preserve bacteria and yeast for long term storage at -80°C

Materials

- 🧴 Overnight liquid culture
- 🧴 60% glycerol

Equipment

- 🧴 1.6 mL CryoPure Tube
- 🧴 Pipette and pipette tips (100 - 1000 µL)

Protocol

Prepare 20% glycerol stocks (for *S.Cerevisiae*).

1. Under sterile conditions, add 1 mL of overnight liquid culture to 0.5 mL of 60% glycerol in a 1.6 mL CryoPure Tube and mix gently.
2. Freeze and store the glycerol stock tube at -80°C.

Prepare 30% glycerol stocks (for *Komagataeibacter sucrofermentans*)

1. Under sterile conditions, add 800 µL of overnight liquid culture to 800 µL of 60% glycerol in a 1.6 mL CryoPure Tube and mix gently.
2. Freeze and store the glycerol stock tube at -80°C.