

Preparing a Mini Culture

Grow up a miniculture.

1. Pipette 5.0 ml of LB into a 15ml polypropylene tube.
2. Pipette 5.0 μ l of antibiotic (50mg/ml for ampicillin) into tube.
3. Using a sterile loop, add colony/colonies into the LB/antibiotic solution.
4. Shake for 8 hours (or overnight) at 37°.

Making Glycerol Stocks

Make 4 glycerol stocks of the culture.

1. Take 300 μ l of miniculture and add 700 μ l of LB + glycerol (1:1).
2. Freeze all stocks at -20°; transfer two glycerol stocks to -80° after sitting at -20° overnight.

Preparing a Maxi Culture

1. In a large flask, add 100 ml of LB and 100 μ l of antibiotic.
2. Take between 200-500 μ l of the miniculture and add to the flask. If the miniculture did not grow well, use more volume of miniculture up to ~500 μ l.
3. Shake for 16 hours or overnight. Chill Sorvall GSA rotor in cold room overnight.