Oct 15, 2019

Overnight Bacterial Culture

DOI
https://dx.doi.org/10.17504/protocols.io.79bhr2n

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iGEM Wageningen 2019

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Protocol Citation: Alba Balletbó 2019. Overnight Bacterial Culture. **protocols.io** https://dx.doi.org/10.17504/protocols.io.79bhr2n

Protocol status: Working
We use this protocol and it's working

Created: October 15, 2019

Last Modified: October 15, 2019

Protocol Integer ID: 28675

Keywords: overnight culture of bacteria, bacteria, liquid media broth, overnight culture, liquid, culture, luria

Abstract

This protocol describes how to grow an overnight culture of bacteria in LB (Luria-Bertani) liquid media broth.

Materials

Autoclaved container
LB Media
Aliquot of bacteria or isolated colony

Safety warnings

Always wear lab coat, safety googles and nitrile gloves.

Before start

Before starting, users will need to have prepared LB broth. Please see the protocol 'LB Medium (1 Liter)' by the same author. Doi: **dx.doi.org/10.17504/protocols.io.7jshkne**

1 Pour appropriate volume of LB broth into the selected autoclaved container.

2 Open and add the frozen aliquot of bacteria to the LB broth or making use of an inoculation loop, carefully select your isolated colony from the media plate and shake the loop in media until the fragment has come loose and is visibly floating in the media.

3 Loosely seal the container, either using tape to secure the loosely fitted lid of a tube or tinfoil to cover a flask.

4 Place the tube/flask in an orbital shaker at the optimal growing temperature of your bacterial species (this will likely be 30 or 37° C). Leave the liquid culture to grow overnight.