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# Bacterial Culture for Plasmid Extraction

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Works for me

This protocol is published without a DOI.



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## ABSTRACT

In this protocol, we present the method of culturing bacteria overnight after transformation. This protocol will typically undergo plasmid extraction and bacterial storage in the ensuing steps.

## PROTOCOL CITATION

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<https://protocols.io/view/bacterial-culture-for-plasmid-extraction-bh45j8y6>

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## PROTOCOL INTEGER ID

38781

## GUIDELINES

The ratio between LB media and antibiotics varies under different scenarios. We showcase chloramphenicol in this protocol.

## SAFETY WARNINGS

Make sure that all the steps should be operated in laminar flow.

## ABSTRACT

In this protocol, we present the method of culturing bacteria overnight after transformation. This protocol will typically undergo plasmid extraction and bacterial storage in the ensuing steps.

## BEFORE STARTING

Follow the "preparation" section of protocol.

### Preparation

- 1 Turn on the UV light of the laminar flow for ⌚ 00:10:00 to ⌚ 00:15:00 in order to sterilize it.
- 2 Prepare LB Media.

- 2.1 Add 50 mL of LB Media to a 50 mL of centrifuge tube.

2.2 Add 50  $\mu$ L of chloramphenicol.

2.3 Gently shake the tube to mix.

3 Prepare a LB Agar Plate with transformed bacterial colonies on it.

#### Protocol

4 Add 7 mL of LB Media containing chloramphenicol to a 15 mL centrifuge tube

5 Use a toothpick to pick a single colony from a LB agar plate. Make sure the tip of the toothpick contains bacteria.

6 Drop the toothpick into the 15 mL centrifuge tube. Make sure the tip of toothpick fully submerge in the LB Media.

7 Incubate the 15 mL centrifuge tube for 🕒 **Overnight 16-18 hour** .