VERSION 1

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Microplate Reader Workflow V.1

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

Created: Oct 16, 2019

Last Modified: Oct 16, 2019

PROTOCOL integer ID:
28750

1 Refresh overnight cell culture in LB media at 37 °C

Protocol

NAME

Preparation of LB Media

CREATED BY

Nus Igem

PREVIEW

1.1 Weigh 25 g of Luria Broth Base powder.

Luria Broth Base (Miller's LB Broth Base)[™], powder **Thermo Fisher Catalog #12795027**

1.2 Add the powder into 1 L of water.

Water refers to sterilized deionized water **Contributed by users**

1.3 Autoclave entire bottle of LB media.

2 Measure OD₆₀₀ of cell culture for desired OD value

3 Load 200 µL of cell samples into three wells of a 96-well plate (triplicates)

4 Induce appropriate volumes of chemical inducers (not exceeding 6 µL) in each well

- 5
- Include LB media as blanks
- 6
- Load the plate (with lid) into microplate reader

Equipment

Cytation 5

Automated microscope; Multi-mode plate reader

BioTek

N.A.

<https://www.biotek.com/products/cytation.html>

NAME

TYPE

BRAND

SKU

LINK

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- Start protocol to run continuous measurement overnight