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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: October 16, 2019

Last Modified: September 11, 2023

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

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	NAME
Automated microscope; Multi-mode plate reader	TYPE
BioTek	BRAND
N.A.	SKU
https://www.biotek.com/products/cytation.html	LINK
 	

7 Start protocol to run continuous measurement overnight