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Oct 14, 2020

Transformation

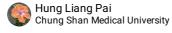
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Works for me

This protocol is published without a DOI.



ABSTRACT

This protocol is designed to transform plasmids from distribution kits of iGEM 2017, 2018, 2019 as well as those synthesized by Mission Biotech with yT&A backbone into E.coli DH5- α competent cells. Chloramphenicol is used for selection in transformation when the plasmids are retrieved from iGEM distribution kits, while ampicillins is utilized when the plasmid are derived from Mission Biotech.

ATTACHMENTS

Transformation.pdf

PROTOCOL CITATION

Hung Liang Pai, Huan Jui Chang 2020. Transformation . **protocols.io** https://protocols.io/view/transformation-bg4ajyse

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CREATED

Jun 03, 2020

LAST MODIFIED

Oct 14, 2020

PROTOCOL INTEGER ID

37730

ATTACHMENTS

Transformation.pdf

GUIDELINES

The ratio between competent cells and plasmid is 10 : 1. We will apportion 20 μ L of competent cells for this protocol.

SAFETY WARNINGS

Make sure that all the steps should be operated in laminar flow (except heat shock).

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This protocol is designed to transform plasmids from distribution kits of iGEM 2017, 2018, 2019 as well as those synthesized by Mission Biotech with yT&A backbone into E.coli DH5- α competent cells. Chloramphenicol is used for selection in transformation when the plasmids are retrieved from iGEM distribution kits, while ampicillins is utilized when the plasmid are derived from Mission Biotech.

BEFORE STARTING

Follow the "preparation" section of protocol.

Preparation

Sterilize styrofoam box with alcohol.

Incubate the eppendorf in § 37 °C , shaking for © 01:00:00

Spread the transformed bacteria on agar plate containing antibiotics.