



Oct 14, 2020

Long-Term Storage of Bacteria

Huan Jui Chang¹, Hung Liang Pai¹¹Chung Shan Medical University

1

Works for me

This protocol is published without a DOI.

Huan Jui Chang

Chung Shan Medical University

ABSTRACT

This protocol is suitable for preparing bacterial storage for -80 degree Celsius with glycerol as the solvent. It is usually performed after the overnight incubation of transformed bacteria that are ready for plasmid extraction.

PROTOCOL CITATION

Huan Jui Chang, Hung Liang Pai 2020. Long-Term Storage of Bacteria. **protocols.io**
<https://protocols.io/view/long-term-storage-of-bacteria-bh48j8zw>

LICENSE

This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

CREATED

Jul 01, 2020

LAST MODIFIED

Oct 14, 2020

PROTOCOL INTEGER ID

38784

GUIDELINES

The concentration of glycerol is optimized for around 17% in this protocol.

SAFETY WARNINGS

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

ABSTRACT

This protocol is suitable for preparing bacterial storage for -80 degree Celsius with glycerol as the solvent. It is usually performed after the overnight incubation of transformed bacteria that are ready for plasmid extraction.

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.

Protocol

- 2 Add 300 µL of 50% glycerol into an eppendorf.
- 3 Add 600 µL of bacterial media prepared in a procedure like "Bacterial Culture for Plasmid Extraction" to an eppendorf.

- 
- 4 Store the eppendorf under -80 degree Celsius.