



Oct 24, 2020

Transformation

Zhujun Wei¹¹2020 iGEM NEFU China

1

Works for me

dx.doi.org/10.17504/protocols.io.bnwwmfte

2020 iGEM NEFU China



Zhujun Wei

DOI

dx.doi.org/10.17504/protocols.io.bnwwmfte

PROTOCOL CITATION

Zhujun Wei 2020. Transformation. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.bnwwmfte>

LICENSE

This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

CREATED

Oct 24, 2020

LAST MODIFIED

Oct 24, 2020

PROTOCOL INTEGER ID

43702

MATERIALS TEXT

DH5α chemically competent
LB medium

SAFETY WARNINGS

Please wear gloves for the experiment.

- 1 Put DH5α chemically competent bacterium on ice for melting about 15min.
- 2 Add 50 μl DH5α chemically competent bacterium into 1.5 ml tubes, mix with ligation product or digested product thoroughly, incubate the bacterium on ice for 30 min.
- 3 Heat shock the bacterium for exactly 45 s at 42 °C water bath.
- 4 Place back on ice for 2 min.

- 5 Add 500 μ l LB medium to each tube, shake the tubes at 37 °C, 200 rpm for 45 min.
- 6 Centrifuge the bacterium at 3000r for 3 min.
- 7 Discard 300 μ l supernatant and resuspend the sediment.
- 8 Plate 100 μ l for a reaction product.
- 9 Incubate plates upside down overnight at 37°C.