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[In devel.](#)

Electrotransformation of Clostridium species

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ABSTRACT

A brief protocol for electrotransformation of Clostridium species

- 1 Inoculate  **10 μ l** of BHI-HKC broth with  **0.1 ml** of stock culture overnight
- 2 Use the overnight culture to inoculate  **100 ml** of TPG to a starting density of OD 0.02
- 3 Harvest early-exponential phase culture (OD 0.2 to 0.25) by centrifugation by 12,000g x  **00:15:00** at  **25 °C**
- 4 Wash once in  **10 ml** of SMP electroporation buffer
- 5 Resuspend in  **10 ml** of SMP
- 6 Take  **0.4 ml** of aliquots and and mix with  **500 ng** of DNA, transfer to prechilled cuvettes with 0.2cm gap
- 7 Incubate on ice for  **00:10:00**
- 8 Electroporate at the following parameters: 25 μ F, resistance 200 Ω , voltage 1.8kV
- 9 Immediately transfer the cells into  **10 ml** of BHI broth and incubate for  **03:00:00** .
- 10 Plate cells in dilutions on solid selective and non-selective BHI agar



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