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Transformation using Electroporation

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Works for me

[dx.doi.org/10.17504/protocols.io.7jzhkp6](https://doi.org/10.17504/protocols.io.7jzhkp6)

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MATERIALS TEXT

DNA solution

SOC Medium (See SOC Medium, Protocols)

Antibiotic (If applicable)

- 1 Pre-chill the electroporation cuvette on ice, thaw the electrocompetent cells on ice as well and mix them by flicking gently.
- 2 Transfer the amount of cells required for the electroporation cuvette in question (e.g. 50µL). Add 1µL of DNA solution.
- 3 Insert the correct specifications (Voltage, Resistance, etc.) for the used transformation strain into the pulse generator. Place the electroporation cuvette and apply the pulse.
- 4 Immediately add up the volume to 1mL with SOC medium (e.g. 950µL) and incubate the culture for 1 hour at 37°C.
- 5 Spin the culture down at 3000rpm for 3 minutes, discard 900µL and resuspend the pellet in the remaining 100 µL.
- 6 Plate accordingly on agar plates with the appropriate antibiotic, if applicable.
- 7 Incubate the plates overnight at 37°C.



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