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Transformation using Electroporation

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Protocol status: Working
We use this protocol and it's working

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Materials

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 37ºC.

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 37ºC.