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Transformation using Heat-Shock

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

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MATERIALS

Plasmid DNA
SOC Medium
Antibiotic (If applicable)

- 1 Add plasmid DNA (1 µL of miniprep/2 µL of ligation mixture/...µL of cesium-purified DNA).

- 2** Incubate on ice for 30 minutes.
- 3** Heat shock at exactly 42°C for exactly 1:30 minutes, then chill on ice again for 5 minutes.
- 4** Repeat Step 3, once.
- 5** Culture in 1 mL SOC for 1 hour at 37°C and pre-warm the agar plates in the meantime.
- 6** Spin the culture down at 3000rpm for 3 minutes, discard 900 µL and resuspend the pellet in the remaining 100 µL.
- 7** Plate accordingly on agar plates with the appropriate antibiotic, if applicable.