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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 μ L of miniprep/2 μ L of ligation mixture/... μ L 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 μ L and resuspend the pellet in the remaining 100 μ L.
- 7 Plate accordingly on agar plates with the appropriate antibiotic, if applicable.