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DH5α bacteria transformation protocol

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Protocol status: Working

We use this protocol and it's working

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Troubleshooting



- 1 Thaw bacteria on ice
- 2 Dispense 50µl in a microtube
- 3 Add 1 to 5 µl of DNA, and carefully flick the tube to mix cells and DNA
- 4 Place the mixture on ice for 10 minutes
- 5 Heat shock at 42°C for 30 seconds
- 6 Place on ice for 5 minutes
- 7 Pipette 450 µl of room temperature SOC (or LB) into the mixture
- 8 Incubate at 37°C for 1 hour. Shake vigorously at 250 rpm.
- 9 Warm selection plates at 37°C
- 10 Spread desired volume (150-350 µl) onto selection plate
- 11 Incubate overnight at 37°C
- 12 Store at 4°C after incubation of needed