🌐 DH5α bacteria transformation protocol

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| 1 | *Works for me* | dx.doi.org/10.17504/protocols.io.bghijt4e |

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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