Transformation

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Abstract

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Protocol

Step 1.

Add DNA

Step 2.

Add 1/10 of total cell volume plasmid-DNA or ligation preparation to cells. **Mix by flipping tube 4-5 times or by piptetting up and down. DON'T VORTEX!**

Incubate 30 min on ice.

DURATION
00:30:00

Heat shock

Step 3.

0.5 - 2 min heatshock at 42 °C. **Don't vortex!**

Incubation on ice

Step 4.

Incubate on ice for 2-5 min. **Don't vortex!**

AdMedium

Step 5.

Add 700 µl (or less) LB-medium.

Incubate at 37 °C ; 250 rpm for 1 h (or more).

AMOUNT
700 µl Additional info:

DURATION

01:00:00

Plate on Agar plate

Step 6.

Plate 100 µl of cells on Agar plate with desired antibiotics.

NOTES

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After plating 100 µl, centrifuge for 2 min at 2000 rpm, then gently discard approx. 600 µl of supernatant, Then resuspend in residual supernatant, plate on agar plates.

Incubation

Step 7.

Incubate plate over night at 37 °C.