



Transformation via heat shock

- ◆ Thaw 200 μ L chemocompetent *E. coli* cells on ice
- ◆ Add 0.5-5 μ L plasmid to 200 μ L chemocompetent cells
- ◆ Store cells on ice for 10 - 30 minutes
- ◆ Heatshock for 90 seconds at 42 °C
- ◆ Transfer transformation reaction to 1 mL SOC-Medium and incubate 1 h at 37 °C
- ◆ Centrifuge 30 seconds at 11000 rpm and plate on selective LB-Medium
- ◆ Incubate overnight at 37 °C

From: [iGEM Bielefeld-CeBiTec 2014](#)