

## Transformation via heat shock

- Thaw 200  $\mu$ L chemocompetent *E. coli* cells on ice
- Add 0.5-5  $\mu$ L plasmid to 200  $\mu$ 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