Transformation

Introduction

Transformation of chemically competent *E.coli* cells.

Materials

- cc *E.coli*, 100 µl for negative control, 100 µl for each trafo
- Plasmid
- Ice
- LB-medium
- Agar plate with right antibiotic

Procedure

1. Thaw competent cells on ice
2. Transfer 100 µl for negative control and 100 µl for each trafo into Eppis
3. Add the Plasmid to the Trafo-Eppi(s), mix by pipetting gently, cool 30 min on ice
4. Heat for 2 min to 42°C
5. Cool on ice for a few minutes
6. Add 900 µl LB-medium, regenerate the cells for 45 min on 37°C in the Thermocycler with 350 to 400 rpm (movement is important)
7. Spin the cells down and discard the supernatant, use a little bit of the supernatant or a bit of sterile water to resuspend the pellet and plate the whole solution out.