

Heat-Shock Transformation (*E. coli*)

- *E. coli* strain "Top 10" (is stored in -80°C freezer)
- keep on ice
- add 10 µl of MoClo sample
- incubate for 30 minutes on ice
- heat shock for 90 sec at 42°C
- put it on ice
- add 600 µl LB-Medium (without antibiotic) in each sample
- incubate for 45 minutes at 37°C
- centrifuge for 30 sec at 4000 G

Continue work under the sterile bench:

- discard 550 µl of the supernatant
- use the remaining supernatant to resuspend until pellet is resolved
- pipette the entire liquid in the middle of an agar plate
- coat the Drigalski spatula in EtOH and drag it through the flame of a Bunsen burner
- plate out the culture with the spatula
- let the plates dry
- wrap them with parafilm

overnight at 37°C