

Protocol 4: Transformation

1. Material

- DH5 α cells
- LB medium
- Optional IPTG and X-Gal
- Ice

2. Instruments

- centrifuge
- vortex
- ice box

3. Experimental procedure

- Pipette 10 μ l ligation reaction to 200 μ l DH5 α cells
- Incubate 30' in ice
- Incubate 90 seconds at 42°C, cool it on ice
- Pipette 1ml LB medium to the mix and incubate 1h 37°C
- Centrifugation 1' 13000rpm
- discard the supernatant and resuspend the pellet in the residual solution
- optional for blue/white screening: pipette 15 μ l IPTG and 35 μ l X-Gal to the mix
- plate the bacteria, incubation at 37°C