

Protocol 8: Yeast quick transformation

1. Material

- Yeast overnight culture
- Carrier-DNA (10mg/ml)
- Polyethylene glycol 335 (50%)
- Dimethyl sulfoxide (DMSO)

2. Instruments

- Vortexer
- Heatingblock
- Centrifuge (Haereus)

3. Experimental procedure

- Transfer 1.4 ml of Yeast overnight culture into 1.5 ml reaction tube
- Centrifuge 30 seconds at max speed
- Discard supernatant
- Vortex pellet briefly
- Add 10µl Carrier-DNA (10mg/ml) and 3µl transforming DNA
- Add 550µl LP-Mix, vortex
- Add 55µl DMSO, vortex
- Incubate 15 minutes at room temperature
- Heat shock: 15 minutes at 42°C
- Add 500µl TE
- Centrifuge 2 minutes at 5000 rpm
- Resuspend pellet in 1ml TE
- Centrifuge 2 minutes at 5000 rpm
- Resuspend pellet in 100µl and plate