Yeast genomic DNA extraction with LiOAc-SDS

Extraction of genomic DNA from yeast for PCR-based applications

- 1. Pick one yeast colony from the plate or spin down 100 –200 μ L liquid yeast culture (OD₆₀₀= 0.4). Suspend cells in 100 μ L 200 mM LiOAc, 1% SDS solution.
- 2. Incubate for 5 min at 70°C.
- 3. Add 300 μ L 96–100% ethanol, then vortex.
- 4. Spin down DNA and cell debris at 15,000×g for 3 min.
- 5. Wash pellet with 70% ethanol.
- 6. Dissolve pellet in 100 μ L H2O or TE and spin down cell debris for 15 s at 15,000×g.
- 7. Use 1 µL supernatant for PCR.