

EXTRACTION OF GENOMIC DNA FROM YEASTS

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REAGENTS

1. 0.2 M Lithium acetate 1% SDS solution.

2. Ethanol 96-100 % and 70 %.

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PROCEDURE

1. Pick one yeast colony from the plate or spin down 100-200 µl of liquid yeast culture ($OD_{600}=0.4$). Suspend cells in 100 µl of 200mM LiOAc, 1 % SDS solution.

2. Incubate for 5 minutes at 70°C.

3. Add 300µl of 96-100 % ethanol, vortex.

4. Spin down DNA and cell debris at 15 000 g for 3 minutes.

5. Wash pellet with 70 % ethanol

6. Dissolve pellet in 100 µl of H₂O or TE and spin down cell debris for 15 seconds at 15 000 g.

7. Use 1 µl of supernatant for PCR.