

Low Efficiency Transformation of Yeast (for rapid plasmid introduction)

Procedure

1. Grow cells overnight in 3 mL of YEPD or appropriate selective media.
2. Spin down entire culture in eppendorf.
3. Resuspend cells in sterile water, vortex to wash, and pellet cells.
4. Remove water, and resuspend cells in 105.5-106 μL of **One-Step Buffer**[†].
5. Heat shock cells at 45° for 30 minutes.
6. Pellet cells, and resuspend in 100 μL of water (or appropriate selective media).
7. Plate entire resuspension on appropriate selective media.
8. Store plates at 30°. Colonies should form after 2-4 days.

[†] **One-Step Buffer** (ingredients *per tube*, scale as necessary): 80 μL 50% PEG, 10 μL 2N LiAc, 10 μL 1M DTT, 5 μL ss-DNA (10 mg/mL), 0.5-1 μL plasmid DNA (from miniprep)