

Transformation of Chemically Competent Cells

1. Thaw cells and incubate transformant DNA in ice(~15 minutes)
2. Combine 50 ul cells with ~3uL DNA and mix gently
3. Incubate samples on ice for 15 minutes
4. Heat shock cells in 42C water bath of 50 seconds
5. Incubate samples on ice for 5 minutes
6. Recover cells in 0.5 ml SOC media, shaking at 37C for 1 hour at 220 rpm
7. Transfer cells to a 2 ml microfuge tube
8. Spin cells down at 6K rpm for 2 minutes
9. Remove all but ~100uL supernatant media
10. Resuspend cells gently in remaining media
11. Plate cells on LB + ab plates
12. Incubate plates overnight at 37C