

Chemically Competent Bacterial Transformation

Ligation

100uL Competent Cells
4uL Ligation (10uL rxn)

Intact Plasmid

20uL Competent Cells
2uL Miniprep DNA

Mix DNA and Cells together on ice
Incubate for 30min on ice
Heatshock in 42°C waterbath for 30 sec
Put on ice for 1 min
Add 1mL SOC prewarmed to 37°C
Shake 1 hour at 37°C
Pellet and plate whole rxn
Plate them on LB-Amp
Incubate at 37°C overnight