

Heat Shock

Materials Needed

1. Competent cells
2. Plasmid DNA
3. Ice + ice bucket
4. Water bath
5. 1.5mL tubes
6. Incubator + shaker
7. Plates + spreader
8. Pipets

Protocol

1. Add 5uL DNA to 50uL competent cells
2. Chill on ice for 30 min.
3. Heat cells at 42°C for 45 sec.
4. Chill on ice for 5 min.
5. Incubate and shake at 37°C for 1 hour
6. Spread 300uL on plates