E.coli transform

Materials

Plasmid or DNA ligation mix

Water bath 42℃

LB medium

Shaking incubator at 37℃

Eppendorf centrifugation

Selective plate

Protocol

1. Add 1-2ul plasmid to 100ul competent cells. Homogenize by gently mixing with pipette several times. (Note that if the plasmid is product of linkage, add 10-20ul DNA)
2. Keep on ice for 30min.
3. Put it at 42℃ for 90s
4. Keep on ice again for 2min.
5. Add 400ul LB and incubate the cells at 37℃ with 100rpm for 45min.
6. Harvest by centrifugation at 4000rpm for 1min and remove 300ul of supernatant. Plate the rest of 200ul of E.coli onto selective plates.