# Transformation of chemo-competent E.coli DH5α cells

## Materials：

Trans5α Chemically Competent Cell(TransGen Biotech,catalog NO.CD201-01)

## Procedure：

1. Remove the 25ul fusion cells from the ice bath, add 5ul recombinant product, mix it gently, and place it in ice bath for 30 minutes.
2. Heat shock in 42℃ water bath for 45 seconds, and then quickly transfer the tube to ice bath for 2 minutes. In this process, do not shake the tube.
3. Add 800ul sterile LB medium (excluding antibiotics) to each tube, mix well, and culture at 37 ℃ and 200 rpm for 1 hour to resuscitate the bacteria.
4. Place the tube in a centrifuge 10000xg and centrifuge for one minute. Suck 750ul of supernatant and discard it, and resuspend the remaining 70ul for standby.
5. Absorb 40ul transformed competent cells, add them to LB agar medium containing corresponding antibiotics, and evenly spread the cells.
6. Place the plate at 37 ℃ until the liquid is absorbed, invert the plate and culture at 37 ℃ overnight.