E. coli transformation

1. Thaw 50 l aliquot (-80°C) of competent cells (DH5α) on ice, one for each transformation.
2. Add ~20 ng of your plasmid (or water for negative) to the 50 l of cells.
3. Incubate on ice for 30 min.
5. Incubate on ice for at least 2 min.
6. Add 1 mL SOC or LB media.
7. Incubate on 30°C rotor for 1 hr.
8. Spin down 13,000 rpm for 1 min, resuspend in 200 l LB, and plate on selective plates.

For a positive control, transform with 25 pg of pUC19 plasmid.