Transforming chemically competent bacteria

1) Warm LB/antibiotic plates to RT in the fume hood with lids partially open to partially dry plates.
2) Thaw chemically competent cells on the surface of ice for 10-15 minutes.
3) Place 1 – 10 ul plasmid DNA or ligation at the bottom of a 14ml polyprop. Culture tube.
4) Add 50 ul competent cells and mix gently by pipeting up and down once or twice.
5) Incubate tube on ice 15 minutes.
6) Heat shock at 42C for 45 sec.
7) Place tubes, without disturbing cells on ice 2-3 minutes.
8) Add 250 ul SOC at RT.
9) Place in 37C shaker 30-60 minutes for AmpR and 60 min for KanR.
10) Plate 10-250ul bacterial mix on plate, making sure all liquid is absorbed.
11) Incubate plates upside down overnight (for retroviruses incubate at 30C; for mammalian expression constructs, incubate at 37C).