

**Electrotransformation (for EcN)**

1. Thaw EcN electrocompetent cells on ice.
2. Add 5  $\mu$  L plasmid for every 50  $\mu$  L of bacterial solution. Place on ice for 3 minutes.
3. Add the bacterial liquid-plasmid mixture to the pre-cooled electric shock cup.
4. Click with 2.5kV voltage.
5. Add 1ml of LB medium to the electric shock cup, put it into the EP tube after blowing and aspirating, shake at 200 rpm for 1 hour.
6. Take 100  $\mu$  L liquid to spread the plate.
7. Incubate at 37° C for 12-16h