Electroporation Protocol

Setup:

- 0.1cm cuvette gap
- Set pulse at 1.8 kV
- Check actual volts
- Time constant at 5 "ms"

Procedure

1. Prepare 1ml SOC media (cold)
2. load cuvette and press run
3. immediately add 1ml SOC
4. Incubate 1hr at 37°C unless using temp sensitive cells
5. plate accordingly.

Notes:

- DNA should not contain high salt concentration
    - If so, must use PCR purification kit
- 1ul DNA: 40ul electrocompetent cells
- All equipment should be chilled (including media)

SOC "Super rich media"

- 100ml ddH_2O
- 2g tryptone
- 0.5g yeast extract
- 0.06g NaCl
- 0.36g glucose (dextrose)
- 0.02g KCl
- 0.2g $MgCl_2$ - $6H_20$
- 0.25g $MgCl_2$ - $7H_20$