

Electroporation (*E. coli*)

Experiment Date:
Experiment Time:

Source: NEB, Dujduan
Waraho

Experimenter:

Assembled: 6/27/2012

Recipient Strain	Amount of and source of plasmid	DNA details	Time Const.

Procedure:

- During the 15 minute wait of desalting, thaw electrocompetent bacterial cells on ice and cool the electroporation cuvette on ice
- Pipet up the desalted ligation mixture and add to thawed bacteria
- Transfer bacterial cell mixture to cuvette and keep on ice
- Pulse the cuvette using the electroporator at "E. coli: 1mm and 1.8kV" settings
- Add 900µL SOB to the cuvette, pipet mix, and transfer entire volume to the original Eppendorf containing the frozen bacteria
- Shake the transformation product at 37°C for 1.5 hours
- Plate the cells on an agar plate treated with the appropriate antibiotic
- Incubate the plate overnight at 37°C