

Transformation/Electroporation

Prepare cuvettes

Wash/Drug/Place on ice

Thaw out competent cells on ice

Connect EP cuvette in parallel with one of the resistors (two yellow alligator clips)

Settings on front panel

Rise time – set at lowest position of five (far left)

Fall time – set at middle

Capacitance /# banks = 3

Mix 1 ul DNA in TE with 40 ul EP cells in 500 ul tube

Mix with pipette and place in cuvette

Strike bottom of cuvette against table top

Insert cuvette into mounting

Start charging capacitors by pressing the charge/standby button

Wait until reaches 18-20 units

Discharge by pressing trigger button

Watch cells jump

Wash out EP cell mixture from cuvette with 1 ml LB transfer to 1.5 ml tube 3X

Incubate at 37C for 30 min

Collect cells by spin at 5000 g for 5 min

Decant gently leaving about 200 ul residual

Resuspend pelleted cells with vortex

Plate cells