Electroporation of cells

Use total of ~ 5-20 µg DNA; add 10 µl PBS and medium without serum *ad* 100 µl for 6 small 3.5 cm diameter dishes.

1. Prepare 6 small 3.5 cm dishes each with 1.8 ml full medium – equilibrate with CO_2 and warm in incubator

2. Trypsinize small flask grown to about 50% confluence

3. Centrifuge and resuspend cells in 400 µl of medium without serum

4. Mix 100 µl of these cells (i.e. ¼) with the DNA containing solution (~ 100 µl), and add these 200 µl to cuvette

5. Electroporate (using parameters described below)

6. Drop the cells quickly in the 6 dishes, shake, and put in incubator. When cells are attached, change medium

7. Wash immediately cuvette

Voltages – Capacities for electroporation:

First pulse: **750** Volt, 25 µF
Second pulse: 130-180 Volt, 1500 µF