Protocol 559

Electro Cell Manipulator™

ECM® 630 ELECTROPORATION PROTOCOL

Cell line: CHO-K₁
Transfectant: plasmid mRNA

Cell Preparation:

Maintain cells in 10% FBS-αMEM supplemented with kanamycin (200 mg/l). Mix 7 million cells with 30 μg of mRNA in a cuvette.

Electroporation Settings:

Choose Mode: LV
Set Voltage: 260 V
Set Capacitance: 1050 μF
Set Resistance: Set to None
Chamber: BTX Disposable Cuvette Model #640 (4mm gap)
Desired Field Strength: 650 V/cm

Electroporation Procedure:

Sample Volume: 80-800 μl
Transfectant Amount: 30 μg
Temperature: Room Temperature
Pulse: Press Pulse to Activate Automatic Charge and Pulse Sequence
Post Pulse Treatment: Detach cell with mild trypsin. Wash three times with cold PBS and resuspend in cold sucrose solution.

Results: Positive Transfection