



PC-12 cells were transfected using the Neon™ transfection system and 0.5 µg of a plasmid encoding the EGFP. 24 hours post transfection, the cells were analyzed by light (A) and fluorescence microscopy (B).

Electroporation parameters

Pulse voltage (v)	Pulse width (ms)	Pulse number	Cell density (cells/ml)	Transfection efficiency	Viability	Tip type
1,410	30	1	5 x 10 ⁶	68%	95%	10 µl

Cell information

Cell type/description	PC-12/cell line
Characteristics/species	Adherent/rat
Tissue origin	Adrenal gland
Media	Dulbecco's Modified Eagle's Medium (DMEM), with 4,500 mg/L D-glucose, L-glutamine, 110 mg/L sodium pyruvate, 10% HS, 5% FBS; or RPMI 1640 supplemented with 2 mM L-glutamine, 10 mM HEPES, 1 mM sodium pyruvate, 4,500 g/L glucose; 5% FBS; 10% horse serum
Morphology	Polygonal
Double time	92 hr
Subculturing	A subcultivation ratio of 1:4 is recommended
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5%