



253J cells were transfected using the Neon™ transfection system and 0.5 µg of a plasmid encoding the EGFP. 48 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
1,000	40	1	5.6 x 10 ⁶	55%	87%	10 µl
1,050	20	2	5.6 x 10 ⁶	57%	87%	10 µl
1,100	40	1	5.6 x 10 ⁶	60%	86%	100 µl

Cell information

Cell type/description	253J/cell line
Characteristics/species	Adherent/human
Tissue origin	Bladder
Media	Dulbecco's Modified Eagle's Medium (DMEM), with 4,500 mg/L D-glucose, L-glutamine, and 110 mg/L sodium pyruvate; 10% FBS
Morphology	Monolayer
Double time	—
Subculturing	Medium renewal: every 2 to 3 days
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5%