



NRK 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
1,700	10	3	5.6 x 10 ⁶	75%	89%	10 µl
1,650	10	4	5.6 x 10 ⁶	71%	90%	10 µl
1,650	10	3	5.6 x 10 ⁶	70%	93%	100 µl

Cell information

Cell type/description	NRK/cell line
Characteristics/species	Adherent/rat
Tissue origin	Kidney
Media	Dulbecco's Modified Eagle's Medium (DMEM), with 4 mM L-glutamine adjusted to contain 1.5 g/L sodium bicarbonate and 4.5 g/L glucose (90%); 10% FBS
Morphology	Epithelial
Double time	—
Subculturing	Medium renewal: every 2 to 3 days
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5%