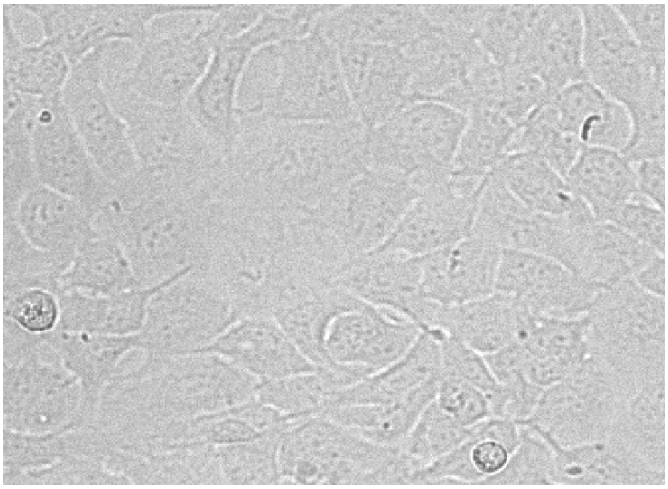
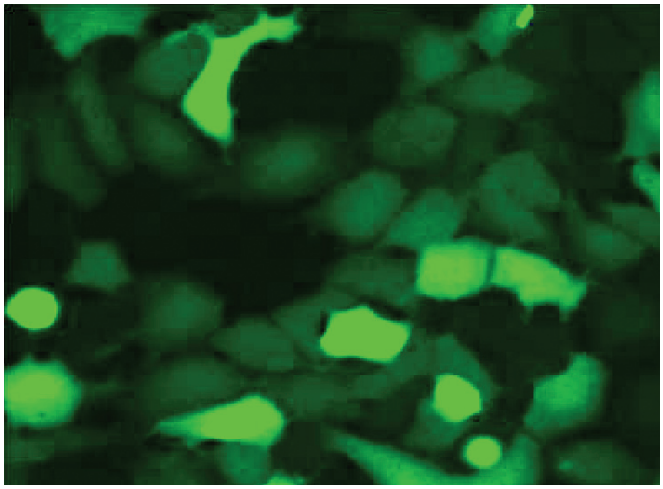
HEK 293

A



B



HEK 293 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
1,500	30	1	5×10^6	87%	71%	10 µl
1,150	20	2	5×10^6	83%	80%	10 µl
1,100	20	2	5×10^7	80%	80%	100 µl

Cell information	
Cell type/description	HEK 293/cell line
Characteristics/species	Adherent/human
Tissue origin	Kidney
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	Epithelial
Double time	—
Subculturing	A subcultivation ratio of 1:4 is recommended
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO_2), 5%