



NCI-H23 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
1,300	10	3	5 x 10 ⁶	94%	81%	10 µl
1,050	40	1	5 x 10 ⁶	91%	78%	10 µl
1,350	10	3	5 x 10 ⁶	95%	94%	100 µl

Cell information

Cell type/description	NCI-H23 (adenocarcinoma)/cell line
Characteristics/species	Adherent/human
Tissue origin	Lung
Media	RPMI 1640 with L-glutamine; 10% FBS
Morphology	Epithelial
Double time	38 hr
Subculturing	Medium renewal: every 2 to 3 days
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5%