



NCI-H69 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
1,300	20	2	5 x 10 <sup>6</sup>	40%	50%	10 µl
1,200	30	1	5 x 10 <sup>6</sup>	35%	50%	10 µl

### Cell information

Cell type/description	NCI-H69 (epithelial)/cell line
Characteristics/species	Suspension/human
Tissue origin	Lung
Media	RPMI 1640, with 4,500 mg/L D-glucose, L-glutamine, 10 ml HEPES, 1 mM sodium pyruvate and 1,500 mg/L sodium bicarbonate; 10% FBS
Morphology	Floating aggregates
Double time	—
Subculturing	A subcultivation ratio of 1:4 is recommended
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO <sub>2</sub> ), 5%