



MCF7 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
1,250	20	2	5 x 10 <sup>6</sup>	70%	75%	10 µl
950	40	2	5 x 10 <sup>6</sup>	70%	70%	10 µl
1,100	30	2	5 x 10 <sup>7</sup>	70%	80%	100 µl

**Cell information**

Cell type/description	MCF7/cell line
Characteristics/species	Adherent/human
Tissue origin	Breast
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 <sub>2</sub> ), 5%