



LNCaP 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
1,200	20	2	7 x 10 <sup>6</sup>	89%	90%	10 µl
950	30	2	7 x 10 <sup>6</sup>	87%	91%	10 µl
1,250	20	2	5 x 10 <sup>7</sup>	98%	83%	100 µl

#### Cell information

Cell type/description	LNCaP/cell line
Characteristics/species	Adherent/human
Tissue origin	Prostate
Media	RPMI 1640 with L-glutamine; 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 <sub>2</sub> ), 5%