



U-937 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	30	1	5 x 10 <sup>6</sup>	72%	60%	10 µl
1,050	50	1	5 x 10 <sup>6</sup>	73%	65%	10 µl
1,400	10	3	5 x 10 <sup>6</sup>	80%	70%	10 µl

#### Cell information

Cell type/description	U-937/cell line
Characteristics/species	Suspension/human
Tissue origin	Blood
Media	RPMI 1640 with L-glutamine; 10% FBS
Morphology	Monocyte
Double time	24 hr
Subculturing	Medium renewal: every 2 to 3 days
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO <sub>2</sub> ), 5%