



M1 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
1,350	10	4	5 x 10 ⁶	41%	45%	10 µl
1,400	10	3	5 x 10 ⁶	30%	61%	10 µl
1,550	10	3	5 x 10 ⁶	36%	51%	10 µl

Cell information

Cell type/description	M1 (leukemia, myeloid)/cell line
Characteristics/species	Suspension/mouse
Tissue origin	Myeloblast; macrophage-like
Media	RPMI 1640 with L-glutamine; 10% FBS
Morphology	Round single cell
Double time	—
Subculturing	Medium renewal: every 2 to 3 days
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5%