



K-562 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
1,000	50	1	1.51 x 10 ⁷	83%	90%	10 µl
1,350	10	4	1.51 x 10 ⁷	85%	88%	10 µl
1,450	10	3	1 x 10 ⁷	90%	90%	10 µl

Cell information

Cell type/description	K-562 (CML-derived B cell-like)
Characteristics/species	Suspension/human
Tissue origin	Kidney
Media	RPMI 1640 with L-glutamine; 10% FBS
Morphology	Lymphoblast
Double time	24 hr
Subculturing	Medium renewal: every 2 to 3 days
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5%