



KG-1a 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
1,650	20	1	5.6 x 10 ⁶	73%	77%	10 µl
1,800	15	1	5.6 x 10 ⁶	73%	70%	10 µl
1,700	20	1	5 x 10 ⁷	76%	83%	100 µl

Cell information

Cell type/description	KG-1a/cell line
Characteristics/species	Suspension/human
Tissue origin	Blood
Media	RPMI 1640 with L-glutamine; 20% FBS
Morphology	Myeloblast
Double time	—
Subculturing	A subcultivation ratio of 1:4 is recommended
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5%