



Raji 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	30	1	5.6 x 10 ⁶	71%	87%	10 µl
1,300	30	1	7 x 10 ⁶	65%	91%	100 µl

Cell information

Cell type/description	Raji (immune)/cell line
Characteristics/species	Suspension/human
Tissue origin	Blood
Media	RPMI 1640, with 4,500 mg/L D-glucose, L-glutamine, 10 ml HEPES, 1 mM sodium pyruvate, and 1,500mg/L-sodium bicarbonate; 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%