



RPMI 8226 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
1,150	30	2	5.6 x 10 ⁶	49%	47%	10 µl
1,050	20	3	5.6 x 10 ⁶	35%	60%	10 µl
1,200	20	3	5.6 x 10 ⁶	30%	55%	100 µl

Cell information

Cell type/description	RPMI 8226/cell line
Characteristics/species	Suspension/human
Tissue origin	Blood
Media	RPMI 1640, with 2 mM L-glutamine adjusted to contain 1.5 g/L sodium bicarbonate, 4.5 g/L glucose, 10 mM HEPES, and 1.0 mM sodium pyruvate (90%); 10% FBS
Morphology	Lymphoma
Double time	—
Subculturing	Medium renewal: every 2 to 3 days
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5%