



NK-92 cells were transfected using the Neon™ transfection system and 0.5 µg of a plasmid encoding the EGFP. 48 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
1,300	10	3	1 x 10 <sup>6</sup>	29%	55%	10 µl
1,200	10	4	1 x 10 <sup>6</sup>	29%	55%	10 µl
1,250	10	3	1 x 10 <sup>6</sup>	17%	70%	100 µl

### Cell information

Cell type/description	NK-92 (immune)/cell line
Characteristics/species	Suspension (multicell aggregates)/human
Tissue origin	Blood
Media	Minimum Essential Medium (MEM) α Medium without ribonucleosides and deoxyribonucleosides but with 2 mM L-glutamine and 1.5 g/L sodium bicarbonate, 0.2 mM inositol, 0.1 mM 2-mercaptoethanol, 0.02 mM folic acid, 100–200 U/ml recombinant IL-2, adjusted to a final concentration of 12.5% horse serum; 12.5% FBS.
Morphology	Lymphoblast
Double time	—
Subculturing	Medium renewal: every 2 to 3 days
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO <sub>2</sub> ), 5%