



ARO 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
1,400	20	2	5 x 10 ⁶	85%	70%	10 µl
1,650	10	3	5 x 10 ⁶	77%	84%	10 µl
1,350	20	2	5 x 10 ⁶	76%	90%	100 µl

Cell information

Cell type/description	ARO (thyroid carcinoma)/cell line
Characteristics/species	Adherent/human
Tissue origin	Thyroid
Media	RPMI 1640 with L-glutamine; 10% FBS
Morphology	Epithelial
Double time	—
Subculturing	Medium renewal: every 2 to 3 days
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5%