



SCN2.2 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 x 10 ⁶	85%	85%	10 µl
1,200	40	1	5 x 10 ⁶	80%	90%	10 µl
1,350	30	1	2.62 x 10 ⁷	87%	88%	10 µl

Cell information

Cell type/description	SCN2.2 (hypothalamus suprachiasmatic nucleus)/cell line
Characteristics/species	Adherent/rat
Tissue origin	Brain
Media	Eagle's Minimum Essential Medium (EMEM), with 2 mM L-glutamine, Earle's BSS adjusted to contain 1.5 g/L sodium bicarbonate, 0.1 mM non-essential amino acids, and 1.0 mM sodium pyruvate; 10% FBS
Morphology	Epithelial
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%