



Human NSC cells (Invitrogen cat# N7800-100) were transfected using Neon Transfection Device and 0.5ug of a plasmid encoding the EGFP, 24 hours post-electroporation, the cells were analyzed by light (A) and fluorescence microscopy (B).

I. Electroporator-parameter

Pulse Voltage (V)	Pulse Width (ms)	Pulse Number	Cell Density (cells/ml)	Transfection Efficiency	Viability	Tip type
1600	20	1	1×10^7	84%	95%	10ul
1700	20	1	1×10^7	87%	96%	10ul
1400	20	2	1×10^7	82%	95%	10ul
1600	10	3	1×10^7	82%	95%	10ul

II. Cell information

Cell Type	Stem cell
Characteristics/Species	Adherent/Human
Tissue Origin	Derived from H9 human embryonic stem cells (hESCs)
Media	Complete StemPro ^R NSC SFM (Invitrogen cat# A1050901) supplemented with 2 mM GlutaMAX TM -I (Invitrogen cat# 35050-061)
Morphology	Neuronal
Doubling time	
Subculturing	Exchange with fresh media every other day. Pass the cells when ~ 90% confluent
Culture conditions	Temperature 37C Atmosphere: air, 95% carbon dioxide (CO ₂), 5%