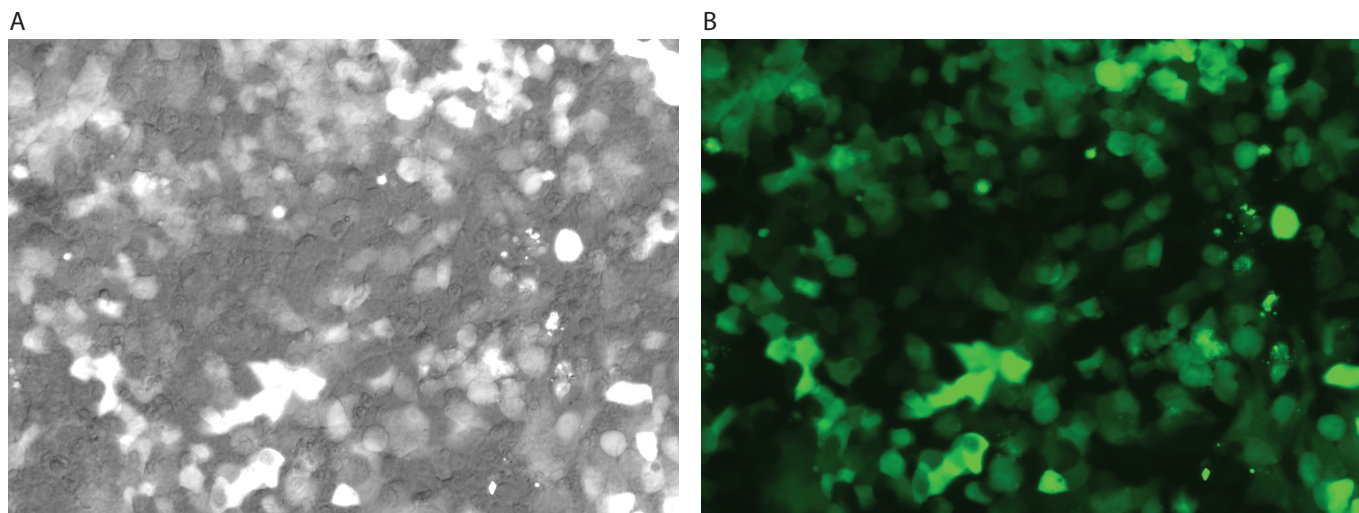


Mouse Embryonic Stem Cells



Mouse Embryonic Stem 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
1,400	10	3	1 x 10 ⁷	88%	96%	10 µl
1,200	20	2	1 x 10 ⁷	79%	99%	10 µl

Cell information

Cell type/description	Embryonic stem/primary cells
Characteristics/species	Adherent, adapted for feeder-free growth/mouse
Tissue origin	Blastocyst
Media	Dulbecco's Modified Eagle's Medium (DMEM)/F12 medium supplemented with 2 mM L-glutamine, 10% FBS, 1X non-essential amino acid solution, and 0.1 mM β-mercaptoethanol.
Morphology	Spherical, colony
Double time	—
Subculturing	Medium renewal: daily after first 48 hr; passage 1:3–1:6
Culture condition	Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5%