



Human Dermal Fibroblasts, neonatal (HDFn) (Cascade Biologics® cat# C-004-5C) 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. Electroporation-parameter

Pulse Voltage (V)	Pulse Width (ms)	Pulse Number	Cell Density (cells/ml)	Transfection Efficiency	Viability	Tip type
1700	20	1	1 X 10 ⁷	84%	98%	10ul
1400	20	2	1 X 10 ⁷	82%	99%	10ul

II. Cell information

Cell Type	Fibroblasts (Dermal)
Characteristics/Species	Adherent/Human
Tissue Origin	Neonatal foreskin
Media	Medium 106 (Cascade Biologics® cat# M-106-500) supplemented with Low Serum Growth Supplement Kit (LSGS Kit) (Cascade Biologics® cat# S-003-K) without antibiotics
Morphology	Fibroblast
Doubling time	
Subculturing	Change media every 2 days
Culture conditions	Temperature 37C Atmosphere: air, 95% carbon dioxide (CO ₂), 5%