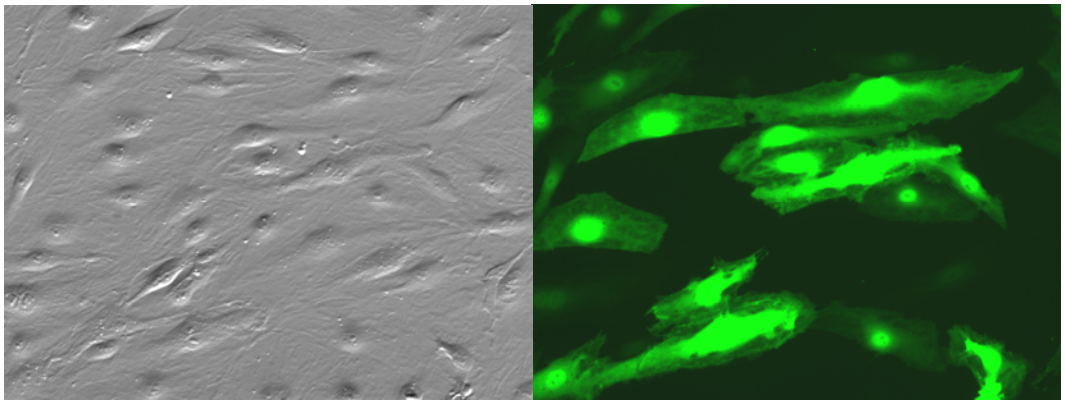

Human Microvascular Endothelial Cells, neonatal dermis (HMVECnd) (Cascade Biologics® cat# C-010-5C) were transfected using the Neon™ Transfection Device and 0.5ug of a plasmid encoding the EGFP, 24 hours post-electroporation, the cells were analyzed by light (**A**) and fluorescence microscopy (**B**).

I. Electroporation-parameter

Pulse Voltage (V)	Pulse Width (ms)	Pulse Number	Cell Density (cells/ml)	Transfection Efficiency	Viability	Tip type
1400	20	2	1×10^7	87%	98%	10ul
1150	30	2	1×10^7	84%	98%	10ul

II. Cell information

Cell Type	Endothelial Cells (Microvascular)
Characteristics/Species	Adherent/Human
Tissue Origin	Neonatal dermis
Media	Medium 131 with Attachment Factor (Cascade Biologics® cat# M-131-500) supplemented with Microvascular Growth Supplement (MVGS) (Cascade Biologics® cat# S-005-25)
Morphology	Endothelial
Doubling time	
Subculturing	Change media every 2 days
Culture conditions	Temperature 37C Atmosphere: air, 95% carbon dioxide (CO_2), 5%