



Human Mammary Epithelial Cells (HMEC) (Cascade Biologics® cat# A10565) were transfected using the Neon™ Transfection System and 0.5ug of a plasmid encoding the EGFP, 48 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 X 10 <sup>7</sup>	58%	74%	10ul
1300	20	2	1 X 10 <sup>7</sup>	47%	67%	10ul

### II. Cell information

Cell Type	Epithelial Cells (Mammary)
Characteristics/Species	Adherent/ Human
Tissue Origin	Mammary
Media	HuMEC Ready Medium (1X), liquid (Cascade Biologics® cat# 12752010)
Morphology	Epithelial
Doubling time	2-3 days
Subculturing	Medium renewal: Daily
Culture conditions	Temperature 37C Atmosphere: air, 95% carbon dioxide (CO <sub>2</sub> ), 5%