



HUVEC cells were transfected using the Neon™ transfection system and 0.5 µg of a plasmid encoding the EGFP. 24 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 |
|-------------------|------------------|--------------|-------------------------|-------------------------|-----------|----------|
| 1,350 | 30 | 1 | 5 x 10 ⁶ | 80% | 70% | 10 µl |
| 1,200 | 40 | 1 | 5 x 10 ⁶ | 75% | 70% | 10 µl |

Cell information

| | |
|-------------------------|--|
| Cell type/description | HUVEC/primary cell |
| Characteristics/species | Adherent/human |
| Tissue origin | Vein |
| Media | Medium 200 (Cat. no. M-200) supplemented with LSGS (Cat. no. S-003-10) |
| Morphology | Endothelial |
| Double time | — |
| Subculturing | Medium renewal: every 2 to 3 days |
| Culture condition | Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5% |