



A-431 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 | 30 | 1 | 5.6 x 10 ⁶ | 81% | 84% | 10 µl |
| 1,400 | 20 | 2 | 5.6 x 10 ⁶ | 84% | 82% | 10 µl |
| 1,400 | 20 | 2 | 5.6 x 10 ⁶ | 66% | 61% | 100 µl |

Cell information

| | |
|-------------------------|--|
| Cell type/description | A-431/cell line |
| Characteristics/species | Adherent/human |
| Tissue origin | Dermal |
| Media | Dulbecco's Modified Eagle's Medium (DMEM), with Adipose 1.5 g/L Na-bicarbonate, and 4.5 g/L glucose; 10% FBS |
| Morphology | Epithelial |
| Double time | — |
| Subculturing | Medium renewal: every 2 to 3 days |
| Culture condition | Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5% |