



J82 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 | 20 | 2 | 7×10^6 | 74% | 69% | 10 µl |
| 1,050 | 30 | 2 | 7×10^6 | 74% | 70% | 10 µl |
| 1,100 | 30 | 2 | 5×10^7 | 78% | 69% | 100 µl |

Cell information

| | |
|-------------------------|---|
| Cell type/description | J82 (carcinoma)/cell line |
| Characteristics/species | Adherent/human |
| Tissue origin | Bladder |
| Media | RPMI 1640, with 4,500 mg/L D-glucose, L-glutamine, 10 mM HEPES, 1 mM sodium pyruvate, and 1,500 mg/L sodium bicarbonate); 10% FBS |
| Morphology | Epithelial |
| Double time | 24 hr |
| Subculturing | Medium renewal: every 2 to 3 days |
| Culture condition | Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO ₂), 5% |