



C-33 A 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 |
|-------------------|------------------|--------------|-------------------------|-------------------------|-----------|----------|
| 1,150 | 25 | 2 | 5 x 10 ⁶ | 78% | 85% | 10 µl |
| 1,150 | 25 | 2 | 3.66 x 10 ⁷ | 81% | 85% | 10 µl |
| 1,350 | 10 | 4 | 3.66 x 10 ⁷ | 80% | 82% | 10 µl |

Cell information

| | |
|-------------------------|--|
| Cell type/description | C-33 A/cell line |
| Characteristics/species | Adherent/human |
| Tissue origin | Cervix |
| Media | Dulbecco's Modified Eagle's Medium (DMEM), with 4,500 mg/L D-glucose, L-glutamine, and 110 mg/L sodium pyruvate; 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% |