



BJ 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 |
|-------------------|------------------|--------------|-------------------------|-------------------------|-----------|----------|
| 1,650             | 20               | 1            | 5 x 10 <sup>6</sup>     | 92%                     | 90%       | 10 µl    |
| 1,650             | 20               | 1            | 3.5 x 10 <sup>7</sup>   | 88%                     | 85%       | 10 µl    |

#### Cell information

|                         |  |
|-------------------------|--|
| Cell type/description   | BJ/primary cell  |
| Characteristics/species | Adherent/human   |
| Tissue origin           | Dermal (foreskin)  |
| 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              | Fibroblast   |
| Double time             | —  |
| Subculturing            | Medium renewal: every 2 to 3 days  |
| Culture condition       | Temperature: 37°C; atmosphere: air, 95%; carbon dioxide (CO <sub>2</sub> ), 5%   |