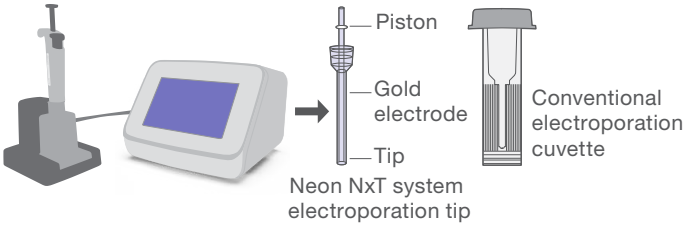
ThermoFisher SCIENTIFIC

Invitrogen™ Neon™ NxT Electroporation System

Enabling your electroporation to achieve your ambitious scientific goals

The Invitrogen™ Neon™ NxT tip technology enables exceptional electroporation efficiency and cell viability by maximizing the distance between the two electrodes while minimizing their surface area. As a result, the sample experiences:

- A more uniform electric field
- Less ion formation
- Minimal pH change
- Negligible heat generation



Efficiently transfect hard-to-transfect cell types

Achieve **>90%** genome editing efficiency with primary human T cells

Saving sample | Saving time

- Unique design maximizes post-transfection cell viability
- Electroporation within the tip minimizes sample transfer loss
- Biosafety cabinet–compatible size minimizes contamination risk

- Shorter end-to-end processing time as compared to conventional electroporation
- Minimal hands-on training
- Protocol and customer support for timely success as you plan and execute your experiments

Flexibility

Customizable electroporation parameters

Deliver DNA, RNA, ribonucleoprotein (RNP), antibodies, and more

Transfect from 2 x 10^4 to 6 x 10^6 cells per reaction

Invitrogen™ TransfectionLab™ application
A cloud application that enables remote experiment design to enhance consistency and productivity

Simplicity

1 buffer kit for all cell types

3 simple steps with the Invitrogen™ Neon™ NxT pipette: aspirate, electroporate, and dispense

No more cuvette handling: with tedious capping/de-capping, aspirating/dispensing, and transferring from biosafety cabinet to instrument

Cell-specific protocols

150+
and counting

Peer-reviewed publications

11,200
and counting

Endorsed by scientists

Used in
thousands
of labs globally

invitrogen

Specifications for the Neon NxT Electroporation System

Electroporation volumes	10 µL; 100 µL
Electroporation buffer volume	2 mL
Tip attachment technology	Thermo Scientific™ ClipTip™ technology
Pulse voltage range	500–2,500 V
Pulse width range	1–100 ms
Number of electroporation pulses	1–10
Arc detection	Yes
Cloud connect utility	Yes
Pulse generator dimensions (W x H x D)	9.5 x 7.6 x 9.9 in. (The pulse generator may be placed either inside or outside the biosafety cabinet.)
Pulse generator weight	5.4 kg
Cable management feature	Yes
Touch display	8 in., capacitive

For more information, go to **thermofisher.com/neonnxt**