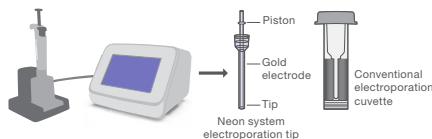


# Invitrogen™ Neon™ NxT Electroporation System

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
- Minimal pH change
- Less ion formation
- Negligible heat generation



**Efficiently transfect hard-to-transfect cell types**

**>90%** knockout efficiency **>40%** knock-in 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  $1 \times 10^4$  to  $1 \times 10^7$  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



**12,400**  
and counting

## Endorsed by scientists

Used in  
**thousands**  
of labs globally



## Specifications for the Neon NxT Electroporation System

Electroporation volumes	10 $\mu$ L; 100 $\mu$ L
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)	9.48 x 7.55 x 10.09 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](https://thermofisher.com/neonnxt)**

**invitrogen**