

Invitrogen™ Neon™ NxT Electroporation System

Enabling your electroporation to achieve your ambitious scientific goals

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%** knockout efficiency **>40%** knock-in efficiency with primary human T cells

Saving sample | Saving time



- Unique design helps maximize post-transfection cell viability
- Electroporation within the tip helps minimize sample transfer loss
- Biosafety cabinet-compatible size helps minimize contamination risk



- With the Invitrogen™ Neon™ NxT 8-Channel Pipette and plate format, you can electroporate 96 samples in less than 15 minutes
- 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 1×10^4 to 1×10^7 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 Neon NxT pipettes: aspirate, electroporate, and dispense



No more cuvette handling, eliminating tedious capping/decapping, aspirating/dispensing, and transferring from biosafety cabinet to instrument

Cell-specific protocols



150
and counting

Peer-reviewed publications



14,000
and counting

Endorsed by scientists

Used in
thousands
of labs globally

invitrogen



Ordering information

Description	Quantity	Cat. No.
Electroporation systems		
Neon NxT Electroporation System with 1-Channel Pipette	1 system	NEON1S
Neon NxT Electroporation System Starter Pack with 1-Channel Pipette	1 system and 2 kits*	NEON1SK
Neon NxT Electroporation System with 1-Channel and 8-Channel Pipettes	1 system	NEON18S
Neon NxT Electroporation System with 1-Channel and 8-Channel Pipettes Starter Pack	1 system and 2 kits**	NEON18SK
Neon NxT Electroporation System 8-Channel Upgrade Package	1 package	NEON8/NEON8U†
Consumables		
Neon NxT Electroporation System 10 µL Kit with 1-Channel Tubes	25 x 2 reactions	N1025
Neon NxT Electroporation System 100 µL Kit with 1-Channel Tubes	25 x 2 reactions	N10025
Neon NxT Electroporation System 10 µL Kit with 1-Channel Tubes	96 x 2 reactions	N1096
Neon NxT Electroporation System 100 µL Kit with 1-Channel Tubes	96 x 2 reactions	N10096
Neon NxT Electroporation System 10 µL Kit with 8-Channel Tubes	96 x 2 reactions	N1096-8
Neon NxT Electroporation System 100 µL Kit with 8-Channel Tubes	96 x 2 reactions	N10096-8
Neon NxT Electroporation System 10 µL Kit with 8-Channel Tubes	384 x 2 reactions	N10384-8
Neon NxT Electroporation System 100 µL Kit with 8-Channel Tubes	384 x 2 reactions	N100384-8
Neon NxT 1-Channel Tubes	24 tubes	NT24
Neon NxT 1-Channel Tubes	96 tubes	NT96
Neon NxT 8-Channel Tubes	8 tubes	NT8
Accessories		
Neon NxT Electroporation System 1-Channel Pipette	1 pipette	NEON1P
Neon NxT Electroporation System 1-Channel Pipette Station	1 pipette station	NEON1PS
Neon NxT Electroporation System 8-Channel Pipette	1 pipette	NEON8P
Neon NxT Electroporation System 8-Channel Pipette Station	1 pipette station	NEON8PS

* Kits: Cat. No. N1096 and Cat. No. N10096.

** Kits: Cat. No. N1096-8 and Cat. No. N10096.

† Cat. No. NEON8 is only available in NA and EMEA. Cat. No. NEON8U is for the rest of the world.

For more information, go to thermofisher.com/neonnxt

invitrogen