



Electroporation

Neon NxT Electroporation System

High-efficiency electroporation system for mammalian cells, including primary, immune, and stem cells

Features of the Invitrogen™ Neon™ NxT Electroporation System

- User-friendly benchtop design that fits in a tissue culture hood for easy, efficient transfection of a wide variety of mammalian cells, including primary and stem cells
- Ability to transfect 1×10^4 to 1×10^7 cells per reaction in a sample volume of 10 μL or 100 μL in a variety of cell culture formats (60 mm, 6-well, 48-well, 24-well, and 96-well)
- Uses a single buffer system for all cell types except primary suspension blood cells
- Simple touchscreen interface for easy programming of electroporation parameters
- Available with various preprogrammed optimization protocols and the option to customize cell-specific protocols
- Built-in safety features to enhance user safety

Specifications

Electrical rating	100–240 VAC, 50/60 Hz, 270 VA
Pulse voltage	500–2,500 V
Pulse duration	1–100 ms
Maximum duty cycle	0.1
Charging time	Maximum 6 seconds
Altitude	Up to 2,000 meters
Operating temperature	15°C to 30°C
Maximum relative humidity	Up to 80%
Degree of protection	IPX0
Protective earthing	Class I (earthed)
Installation category	II
Instrument type	Benchtop unit
Device dimensions (W x L x H)	9.5 x 7.6 x 9.9 in.
Pipette station dimensions (W x L x H)	4.9 x 6.6 x 5.0 in.
Device weight	11.9 lb (5.4 kg)
Built-in features	Touchscreen (800 x 600 pixels), digital display

Ordering information

Product	Neon NxT Kit, 10 μ L		Neon NxT Kit, 100 μ L	
	Cat. No. N1025 (50 reactions)	Cat. No. N1096 (192 reactions)	Cat. No. N10025 (50 reactions)	Cat. No. N10096 (192 reactions)
Tips/tubes kit	Cat. No. N1025K	Cat. No. N1096K	Cat. No. N10025K	Cat. No. N10096K
Neon NxT Tips*	25 tips (10 μ L)	96 tips (10 μ L)	25 tips (100 μ L)	96 tips (100 μ L)
Neon NxT Tubes	8 tubes	32 tubes	8 tubes	32 tubes
Buffer kit	Cat. No. N1025B	Cat. No. N1096B	Cat. No. N10025B	Cat. No. N10096B
Resuspension Genome Editing Buffer	1 mL	4 x 1 mL	10 mL	4 x 10 mL
Resuspension Buffer R	1 mL	4 x 1 mL	10 mL	4 x 10 mL
Resuspension Buffer T	1 mL	4 x 1 mL	10 mL	4 x 10 mL
Electrolytic Buffer E10	50 mL	2 x 100 mL	–	–
Electrolytic Buffer E100	–	–	50 mL	2 x 100 mL

* To avoid carry-over contamination, we recommend using a Neon NxT pipette tip no more than twice.

For more information, go to thermofisher.com/neonnxt

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