

Lonza Nucleofector™

Technology: TRANSFECT THE UNTRANSFECTABLE

Lonza

High Efficiency for Primary Cells, Stem Cells, and Hard-to-Transfect Lines

The Lonza Nucleofector™ is the industry-standard electroporation-based platform designed to deliver substrates (DNA, RNA, RNP, or proteins) directly into the cell nucleus. Unlike traditional transfection methods that rely on cell division, Nucleofection enables high efficiency in non-dividing and primary cells with exceptionally high viability.

Core Advantages

-  **Direct Nuclear Entry:** Substrates are delivered straight to the nucleus, allowing for rapid expression (within 2–8 hours) without waiting for nuclear envelope breakdown during mitosis.
-  **Exceptional Viability:** Optimized electrical pulses and cell-specific solutions minimize cell stress, preserving original cell functionality and morphology.
-  **Unrivaed Versatility:** Proven protocols for over 650 cell lines and 150+ primary cell types, including T-cells, neurons, and hematopoietic stem cells.
-  **Seamless Scalability:** The modular 4D-Nucleofector™ System allows you to transition from 20 µL strips (small scale) to 100 µL cuvettes or large-scale LV units (up to 1 billion cells) without re-optimizing parameters.

Special Offer:
12 month free warranty extension on the 4D-Nucleofector® Core Unit, valued at \$1,554 + GST.

Valid until
31st October 2026



The 4D-Nucleofector™ Modular Design

Module	Applications
Core Unit	The "brain" of the system; controls all secondary modules and protocols.
X Unit	Supporting 100 µL cuvettes and 16-well strips (20 µL) for routine research.
Y Unit	Optimized for adherent cells; transfects cells directly in 24-well culture plates.
LV Unit	Large-volume transfection for bioprocessing and cell therapy (up to 20 mL).
96-well Unit	Medium-throughput plate-based screening and optimization.

