

4D-NUCLEOFECTOR® LV UNIT PRO

NEW

Lonza

Efficient and Scalable Electroporation From Research to GMP Manufacturing

Next-Generation Large-Scale Electroporation

New Features

- Optimized cartridge design for improved performance for CRISPR-based knock-out/in or transposition
- Fixed-volume cartridge with different filling volumes between 0.5 and 2 mL and new port for easy loading and clearing
- Flow-through cartridge with more robust sample processing
- Cartridge insertion support and visual acknowledgement

Benefits

- Reliable, robust and efficient delivery of complex, clinically relevant cargoes
- Easy scale up for up to 1 billion T Cells
- Two vessel formats for closed transfection of medium or larger cell numbers
- Proven performance for resting and activated T Cells
- Research-grade and GMP-grade consumables
- Highly-skilled technical support



Two vessel formats available in research or GMP quality

2 mL Nucleocuvette® Cartridge PRO













- Fixed volume samples of 0.5, 1, 1.5 or 2 mL
- Up to 2×10^8 cells
- Manual filling via optimized sterile injection port

LV Nucleocuvette® Cartridge PRO



- Up to 20 mL processing volume
- Easily scalable to 1×10^9 cells
- Automatic filling via 4D-Nucleofector® LV Reservoirs or bags
- Weldable tubing

The 4-D Nucleofector® Systems

	Small Scale, Optimization	Large Scale	High Throughput/ Screening		Small Scale
	Suspension		Suspension		Adherence
System					
Throughput	Low - Medium	Low	High	Very high	Medium
Reaction vessel					
Cell number	20 μ L: 10^4 to 10^6 100 μ L: 10^5 to 10^7	10^7 to 10^8	10^4 to 10^6	10^4 to 10^6	10^4 to 10^5

Scan QR or Click here for more information on the LV Unit Pro and the 4D-Nucleofector® range.



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