

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 18, 2026

Lonza: 4D Nucleofector X Unit

RRID:SCR_023155

Type: Tool

Proper Citation

Lonza: 4D Nucleofector X Unit (RRID:SCR_023155)

Resource Information

URL:

https://bioscience.lonza.com/lonza_bs/JP/en/Transfection/p/000000000000276883/4D-Nucleofector-X-Unit

Proper Citation: Lonza: 4D Nucleofector X Unit (RRID:SCR_023155)

Description: One of four functional modules of 4D-Nucleofector System. It supports Nucleofection of various cell numbers cells in different formats.

Synonyms: 4D Nucleofector X Unit, 4D Nucleofector X Unit Amaxa technology

Resource Type: instrument resource

Keywords: Instrument, equipment, Lonza, USEDit, electroporation based transfection, nucleofection, transfer of nucleic acids into cells,

Resource Name: Lonza: 4D Nucleofector X Unit

Resource ID: SCR_023155

Record Creation Time: 20230120T050157+0000

Record Last Update: 20260912T200035+0000

Ratings and Alerts

No rating or validation information has been found for Lonza: 4D Nucleofector X Unit.

No alerts have been found for Lonza: 4D Nucleofector X Unit.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Fang C, et al. (2026) Base Editing of TIGIT Reprograms CD155 Signaling in Natural Killer Cells to Enhance Cancer Immunotherapy Efficacy. *Cancer research*, 86(8), 1956.

Kim HB, et al. (2026) Dose-dependent hormone actions at estrogen receptor enhancers specify distinct molecular and biological outcomes. *Science advances*, 12(23), eaec2424.

Brea EJ, et al. (2025) Systematic Engineering of TROP2-Targeted CAR T-Cell Therapy Overcomes Resistance Pathways in Solid Tumors. *Cancer immunology research*, 13(11), 1749.

Markusson S, et al. (2025) Nanobodies against the myelin enzyme CNPase as tools for structural and functional studies. *Journal of neurochemistry*, 169(1), e16274.

Volat F, et al. (2025) Pancreatic CAF-Derived Autotaxin Drives Autocrine CTGF Expression to Modulate Protumorigenic Signaling. *Molecular cancer therapeutics*, 24(2), 230.

Conti BA, et al. (2025) N6-methyladenosine in DNA promotes genome stability. *eLife*, 13.

Kim HB, et al. (2025) Estrogen Receptor Enhancers Sensitive to Low Doses of Hormone Specify Distinct Molecular and Biological Outcomes. *bioRxiv : the preprint server for biology*.

Maurya SK, et al. (2025) Mucin 5AC Promotes Breast Cancer Brain Metastasis through cMET/CD44v6. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(5), 921.

Kim HB, et al. (2024) Intracellular Retention of Estradiol is Augmented by GRAM Domain Containing Protein ASTER-B in Breast Cancer Cells. *bioRxiv : the preprint server for biology*.

Badja C, et al. (2024) Insights from multi-omic modeling of neurodegeneration in xeroderma pigmentosum using an induced pluripotent stem cell system. *Cell reports*, 43(6), 114243.