Resource Summary Report

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Dionex: Ultimate 3000 system

RRID:SCR_019840
Type: Tool

Proper Citation

Dionex: Ultimate 3000 system (RRID:SCR_019840)

Resource Information

URL: https://www.labx.com/product/dionex-ultimate-3000

Proper Citation: Dionex: Ultimate 3000 system (RRID:SCR_019840)

Description: Liquid Chromatography Mass Spectrometer system that has been designed to optimize low flow separations and facilitate easy coupling to mass spectrometry to provide the best resolution, sensitivity, and selectivity for nano LC and proteomics applications. Dionex has played a pioneering role in the field of nano HPLC, a technique that generally involves the application of columns with an internal diameter of 75,?m and low flow rates of around 300 nL/min. These configurations are best for analysis with limited sample starting amounts, due to the sensitivity enhancement of the smaller column i.d. Dionex offers several solutions to accommodate and robust nano LC as a front end to mass spectrometry and to fulfill three typical requirements:

Resource Type: instrument resource

Keywords: Dionex, Liquid Chromatography Mass Spectrometer, Instrument Equipment, USEDit

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_019840.pdf

Resource Name: Dionex: Ultimate 3000 system

Resource ID: SCR_019840

Alternate IDs: SCR_020563, Model_Number_Dionex_Ultimate_3000

Record Creation Time: 20220129T080347+0000

Record Last Update: 20260815T182613+0000

Ratings and Alerts

No rating or validation information has been found for Dionex: Ultimate 3000 system.

No alerts have been found for Dionex: Ultimate 3000 system.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Mrkacek M, et al. (2026) ORMDL Proteins Turnover via Proteasome and Autophagy Is Cell-Type Dependent and Tied to Ceramide Homeostasis. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(6), e71655.

Osman ST, et al. (2026) Repurposing SGLT2 and DPP-4 inhibitors for mild cognitive impairment in type 2 diabetes mellitus: Insights from proteomics, target prediction and molecular docking. British journal of pharmacology, 183(10), 2533.

Zink A, et al. (2026) Pluripotent stem-cell-based screening uncovers sildenafil as a mitochondrial disease therapy. Cell, 189(6), 1656.

Sheth AS, et al. (2025) PLK1 Inhibition Induces Synthetic Lethality in Fanconi Anemia Pathway-Deficient Acute Myeloid Leukemia. Cancer research communications, 5(4), 648.

Jobst M, et al. (2025) Retrograde rearrangement of mitochondria correlates with nuclear deformation and genotoxic damage. iScience, 28(8), 112955.

Saggese P, et al. (2024) Glucose Deprivation Promotes Pseudohypoxia and Dedifferentiation in Lung Adenocarcinoma. Cancer research, 84(2), 305.

Iketani M, et al. (2024) Inhalation of hydrogen gas mitigates sevoflurane-induced neuronal apoptosis in the neonatal cortex and is associated with changes in protein phosphorylation. Journal of neurochemistry, 168(9), 2775.

Ramos-Torres K, et al. (2024) Common anesthetic used in preclinical PET imaging inhibits metabolism of the PET tracer [18F]3F4AP. Journal of neurochemistry, 168(9), 2577.

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.

Bekker NJ, et al. (2023) A proteomics approach to identify COPD-related changes in lung fibroblasts. American journal of physiology. Lung cellular and molecular physiology,

324(4), L521.

Rosenberg AM, et al. (2021) Quantitative mapping of human hair greying and reversal in relation to life stress. eLife, 10.