

Resource Summary Report

Generated by [NIF](#) on Aug 16, 2026

Thermo Fisher: Orbitrap Exploris 480 Mass Spectrometer

RRID:SCR_027000

Type: Tool

Proper Citation

Thermo Fisher: Orbitrap Exploris 480 Mass Spectrometer (RRID:SCR_027000)

Resource Information

URL: <https://www.thermofisher.com/order/catalog/product/BRE725533?SID=srch-hj-BRE725533>

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Description: Orbitrap LC-MS with EASY-IC (Internal Calibration) mass spectrometer for high-resolution, accurate mass analysis of complex samples, providing detailed information about compounds for identification, quantification, and characterization. Liquid Chromatography-Mass Spectrometry combines the separation power of liquid chromatography with the mass analysis capabilities of mass spectrometer. Orbitrap mass analyzer offers high resolution and accuracy, enabling the separation and identification of even closely related compounds. Internal Calibration uses internally generated ions to improve mass accuracy.

Synonyms: Orbitrap Exploris 480 Mass Spectrometer

Resource Type: instrument resource

Keywords: Orbitrap mass analyzer, Liquid Chromatography-Mass Spectrometry, Internal Calibration,

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_027000.pdf

Resource Name: Thermo Fisher: Orbitrap Exploris 480 Mass Spectrometer

Resource ID: SCR_027000

Alternate IDs: Model_Number_Orbitrap_Exploris_480

Record Creation Time: 20250528T060713+0000

Ratings and Alerts

No rating or validation information has been found for Thermo Fisher: Orbitrap Exploris 480 Mass Spectrometer.

No alerts have been found for Thermo Fisher: Orbitrap Exploris 480 Mass Spectrometer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Savani MR, et al. (2026) Nitrogen metabolism profiling reveals cell state-specific pyrimidine synthesis pathway choice. *Nature metabolism*, 8(5), 1124.

Black JJ, et al. (2026) The Legionella pneumophila effector SidL is an adenylyltransferase that modifies the glycolytic intermediate 3-phosphoglycerate. *Molecular cell*.

Zhang J, et al. (2026) The Multi-Attribute Method (MAM), An Advanced LC-MS Approach for Protein A Resin Performance and Lifecycle Evaluation. *Antibodies (Basel, Switzerland)*, 15(2).

Fahmy AM, et al. (2026) STING dampens the unfolded protein response to enable the presentation of self-antigens on MHC-I during inflammation. *Cell reports*, 45(6), 117497.

Gr??tz C, et al. (2025) Extracellular vesicle-associated transcriptomic and proteomic biomarkers show in vitro potential for vandetanib treatment monitoring in anaplastic thyroid cancer. *Scientific reports*, 15(1), 32464.

Abdullah KG, et al. (2025) Gliomas phenocopy an inborn error of metabolism to drive neuronal activity and tumor growth. *bioRxiv : the preprint server for biology*.

Su Y, et al. (2025) Serum Proteome Profiling Implicates Dysregulation of Immune Response and Inflammatory Mechanisms in Methylmalonic Acidemia With Brain Injury. *Journal of neurochemistry*, 169(10), e70242.

Savani MR, et al. (2025) Nitrogen metabolism profiling reveals cell state-specific pyrimidine synthesis pathway choice. *bioRxiv : the preprint server for biology*.