

# Resource Summary Report

Generated by [ASWG](#) on Aug 4, 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](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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

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

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.

Savani MR, et al. (2025) Nitrogen metabolism profiling reveals cell state-specific pyrimidine synthesis pathway choice. 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.