

Resource Summary Report

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Thermo Fisher: LTQ Orbitrap Discovery Mass Spectrometer

RRID:SCR_020551

Type: Tool

Proper Citation

Thermo Fisher: LTQ Orbitrap Discovery Mass Spectrometer (RRID:SCR_020551)

Resource Information

URL: <https://sllc.com/product/Thermo-LTQ-ORBITRAP-DISCOVERY-Mass-Spectrometer-315667>

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Description: Hybrid mass spectrometer that incorporates LTQ XL linear trap and Orbitrap. Consists of linear ion trap for sample ionization, selection, fragmentation, and AGC, intermediate storage device that is required for short pulse injection, and Orbitrap analyzer for Fourier transformation based analysis.

Resource Type: instrument resource

Keywords: Thermo Fisher Scientific, Thermo Fisher, Mass Spectrometer, Instrument, Equipment, USEDit,

Availability: Commercially available

Resource Name: Thermo Fisher: LTQ Orbitrap Discovery Mass Spectrometer

Resource ID: SCR_020551

Alternate IDs: Model_Number_LTQ_Discovery

Record Creation Time: 20220129T080350+0000

Record Last Update: 20260725T190929+0000

Ratings and Alerts

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

No alerts have been found for Thermo Fisher: LTQ Orbitrap Discovery Mass Spectrometer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 195 mentions in open access literature.

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

Wang K, et al. (2025) Tobacco Smoking Rewires Cell Metabolism by Inducing GAPDH Succinylation to Promote Lung Cancer Progression. *Cancer research*, 85(15), 2838.

Li P, et al. (2024) Chemo-Selective Single-Cell Metabolomics Reveals the Spatiotemporal Behavior of Exogenous Pollutants During *Xenopus Laevis* Embryogenesis. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 11(9), e2305401.

Sarfati D, et al. (2018) BetaMe: impact of a comprehensive digital health programme on HbA1c and weight at 12 months for people with diabetes and pre-diabetes: study protocol for a randomised controlled trial. *Trials*, 19(1), 161.

Li Z, et al. (2017) Staged versus One-Time Complete Revascularization with Percutaneous Coronary Intervention in STEMI Patients with Multivessel Disease: A Systematic Review and Meta-Analysis. *PloS one*, 12(1), e0169406.

Guiraud SP, et al. (2017) High-throughput and simultaneous quantitative analysis of homocysteine-methionine cycle metabolites and co-factors in blood plasma and cerebrospinal fluid by isotope dilution LC-MS/MS. *Analytical and bioanalytical chemistry*, 409(1), 295.

Argibay B, et al. (2017) Intraarterial route increases the risk of cerebral lesions after mesenchymal cell administration in animal model of ischemia. *Scientific reports*, 7, 40758.

Hou L, et al. (2017) *Spiroplasma eriocheiris* Adhesin-Like Protein (ALP) Interacts with Epidermal Growth Factor (EGF) Domain Proteins to Facilitate Infection. *Frontiers in cellular and infection microbiology*, 7, 13.

Han PG, et al. (2017) Influence of Ongoing Task Difficulty and Motivation Level on Children's Prospective Memory in a Chinese Sample. *Frontiers in psychology*, 8, 89.

Park SY, et al. (2017) Hippocalcin Promotes Neuronal Differentiation and Inhibits Astrocytic Differentiation in Neural Stem Cells. *Stem cell reports*, 8(1), 95.

Cayrol F, et al. (2017) THZ1 targeting CDK7 suppresses STAT transcriptional activity and sensitizes T-cell lymphomas to BCL2 inhibitors. *Nature communications*, 8, 14290.

Chen M, et al. (2017) Characterization of the metallo-dependent amidohydrolases responsible for "auxiliary" leucinylation removal in the biosynthesis of 2,2'-bipyridine antibiotics. *Synthetic and systems biotechnology*, 2(2), 137.

Laue J, et al. (2017) Self-treatment of acute exacerbations of chronic obstructive pulmonary disease requires more than symptom recognition - a qualitative study of COPD patients' perspectives on self-treatment. *BMC family practice*, 18(1), 8.

Khunti K, et al. (2016) Clinical inertia with regard to intensifying therapy in people with type 2 diabetes treated with basal insulin. *Diabetes, obesity & metabolism*, 18(4), 401.

Crupi R, et al. (2016) Co-Ultramicronized Palmitoylethanolamide/Luteolin Promotes Neuronal Regeneration after Spinal Cord Injury. *Frontiers in pharmacology*, 7, 47.

Firleyanti AS, et al. (2016) Campylobacters and their bacteriophages from chicken liver: The prospect for phage biocontrol. *International journal of food microbiology*, 237, 121.

Hagger V, et al. (2016) Diabetes MILES Youth-Australia: methods and sample characteristics of a national survey of the psychological aspects of living with type 1 diabetes in Australian youth and their parents. *BMC psychology*, 4(1), 42.

Abubakari AR, et al. (2016) Sociodemographic and Clinical Predictors of Self-Management among People with Poorly Controlled Type 1 and Type 2 Diabetes: The Role of Illness Perceptions and Self-Efficacy. *Journal of diabetes research*, 2016, 6708164.

Inagaki N, et al. (2016) Long-term safety and efficacy of a novel once-weekly oral trelagliptin as monotherapy or in combination with an existing oral antidiabetic drug in patients with type 2 diabetes mellitus: A 52-week open-label, phase 3 study. *Journal of diabetes investigation*, 7(5), 718.

Wong PY, et al. (2016) MASTL(Greatwall) regulates DNA damage responses by coordinating mitotic entry after checkpoint recovery and APC/C activation. *Scientific reports*, 6, 22230.

Boonstra AM, et al. (2016) Cut-Off Points for Mild, Moderate, and Severe Pain on the Numeric Rating Scale for Pain in Patients with Chronic Musculoskeletal Pain: Variability and Influence of Sex and Catastrophizing. *Frontiers in psychology*, 7, 1466.