

Resource Summary Report

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Standard BioTools: CyTOF XT mass cytometer

RRID:SCR_026344

Type: Tool

Proper Citation

Standard BioTools: CyTOF XT mass cytometer (RRID:SCR_026344)

Resource Information

URL: <https://www.standardbio.com/products/instruments/cytof-xt>

Proper Citation: Standard BioTools: CyTOF XT mass cytometer (RRID:SCR_026344)

Description: Fully automated and affordable cytometer to simplify and standardize deep single-cell profiling studies.

Synonyms: , CyTOF XT mass cytometer, CyTOF XT

Resource Type: instrument resource

Keywords: Standard Biotoools, deep single-cell profiling,

Resource Name: Standard BioTools: CyTOF XT mass cytometer

Resource ID: SCR_026344

Alternate IDs: Model_Number_CyTOF XT

Record Creation Time: 20250129T053338+0000

Record Last Update: 20260815T183232+0000

Ratings and Alerts

No rating or validation information has been found for Standard BioTools: CyTOF XT mass cytometer.

No alerts have been found for Standard BioTools: CyTOF XT mass cytometer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 214 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Swingle D, et al. (2025) Variations in kinase and effector signaling logic in a bacterial two component signaling network. *The Journal of biological chemistry*, 301(6), 108534.

Lin YT, et al. (2025) Temporal analysis of doxorubicin-induced cardiac toxicity and hypertrophy. *NPJ systems biology and applications*, 11(1), 67.

Song PY, et al. (2025) An interbacterial cysteine protease toxin inhibits cell growth by targeting type II DNA topoisomerases GyrB and ParE. *PLoS biology*, 23(5), e3003208.

Closson JD, et al. (2025) CONTEXT-DEPENDENT VARIABILITY OF HIF HETERODIMERS INFLUENCES INTERACTIONS WITH MACROMOLECULAR AND SMALL MOLECULE PARTNERS. *bioRxiv : the preprint server for biology*.

Tsuruta M, et al. (2025) The role of cytosine methylation in regulating the topology and liquid-liquid phase separation of DNA G-quadruplexes. *Chemical science*, 16(10), 4213.

Moliner-Cubel S, et al. (2024) Plasmodium RNA triphosphatase validation as antimalarial target. *International journal for parasitology. Drugs and drug resistance*, 25, 100537.

Suryaningtyas IT, et al. (2024) Brown Algae *Ecklonia cava* Extract Modulates Adipogenesis and Browning in 3T3-L1 Preadipocytes through HO-1/Nrf2 Signaling. *Marine drugs*, 22(8).

Mirzoeva NZ, et al. (2024) Reconstruction of the Reaction of Andalusicin Lantibiotic Modification by Lanthionine Synthetase AnckC in a Heterologous *Escherichia coli* System. *Acta naturae*, 16(3), 46.

Woods VA, et al. (2024) Native dynamics and allosteric responses in PTP1B probed by high-resolution HDX-MS. *Protein science : a publication of the Protein Society*, 33(6), e5024.

Sadhu L, et al. (2023) Chloroplasts evolved an additional layer of translational regulation based on non-AUG start codons for proteins with different turnover rates. *Scientific reports*, 13(1), 896.

Zhou Y, et al. (2023) Thiol-ene-based microfluidic chips for glycopeptide enrichment and online digestion of inflammation-related proteins osteopontin and immunoglobulin G. *Analytical and bioanalytical chemistry*, 415(6), 1173.

Chen NC, et al. (2023) Structures of honeybee-infecting Lake Sinai virus reveal domain functions and capsid assembly with dynamic motions. *Nature communications*, 14(1), 545.

Rocchetti MT, et al. (2023) A Gel-Based Proteomic Analysis Reveals Synovial α -Enolase and Fibrinogen γ -Chain Dysregulation in Knee Osteoarthritis: A Controlled Trial. *Journal of personalized medicine*, 13(6).

Chen YL, et al. (2023) XCP1 cleaves Pathogenesis-related protein 1 into CAPE9 for systemic immunity in Arabidopsis. *Nature communications*, 14(1), 4697.

Atanasova L, et al. (2023) Mycoparasitism related targets of Tmk1 indicate stimulating regulatory functions of this MAP kinase in *Trichoderma atroviride*. *Scientific reports*, 13(1), 19976.

Meier-Credo J, et al. (2022) Top-Down Identification and Sequence Analysis of Small Membrane Proteins Using MALDI-MS/MS. *Journal of the American Society for Mass Spectrometry*, 33(7), 1293.

Unten Y, et al. (2022) Comprehensive understanding of multiple actions of anticancer drug tamoxifen in isolated mitochondria. *Biochimica et biophysica acta. Bioenergetics*, 1863(2), 148520.

Keramisanou D, et al. (2022) Assembly mechanism of early Hsp90-Cdc37-kinase complexes. *Science advances*, 8(11), eabm9294.

Richter R, et al. (2022) An Outer Membrane Vesicle-Based Permeation Assay (OMPA) for Assessing Bacterial Bioavailability. *Advanced healthcare materials*, 11(5), e2101180.

Kurth JM, et al. (2021) Structural Insights into the Methane-Generating Enzyme from a Methoxytrophic Methanogen Reveal a Restrained Gallery of Post-Translational Modifications. *Microorganisms*, 9(4).