

Resource Summary Report

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University of Arizona Analytical and Biological Mass Spectrometry Core Facility

RRID:SCR_023370

Type: Tool

Proper Citation

University of Arizona Analytical and Biological Mass Spectrometry Core Facility
(RRID:SCR_023370)

Resource Information

URL: https://ua.ilab.agilent.com/service_center/show_external/4535?name=analytical-and-biological-mass-spectrometry

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Description: Provides equipment and expertise for analysis of variety of biological and small molecules. Services include protein analysis encompassing protein identification, protein and peptide sequence confirmation, intact protein molecular weight determination, complex protein sample analysis, and protein/antibody drug interactions. Developed metabolomics library to support metabolomic and lipidomics analysis. Can identify range of post-translational modifications, determining their presence or absence, as well as quantitating PTMs. Proteomics and small molecule services include workflows for label free, chemical labeling (iTRAQ/TMT) and metabolic labeling (SILAC). Service for molecular synthesis, with monitoring reaction steps, calculating percentage of product, testing for purity, and molecule characterization with high resolution and high mass accuracy. Provides molecular weight and chemical composition determinations, structure elucidations and compound identification analysis or confirmation and accurate mass measurements of synthetic products, measurement of polymers, nucleic acids (DNA/RNA), peptides, proteins, natural products, and assistance with determination of unknowns.

Abbreviations: ABMS

Synonyms: UArizona Analytical & Biological Mass Spectrometry Facility, University of Arizona UArizona Analytical & Biological Mass Spectrometry Facility

Resource Type: core facility, service resource, access service resource

Keywords: USEDit, ABRF, small molecules, protein identification, protein and peptide sequence confirmation, intact protein molecular weight determination, complex protein sample analysis, protein, antibody, drug interactions,

Resource Name: University of Arizona Analytical and Biological Mass Spectrometry Core Facility

Resource ID: SCR_023370

Alternate IDs: ABRF_1698

Alternate URLs: <https://coremarketplace.org/?FacilityID=1698&citation=1>

Record Creation Time: 20230321T180026+0000

Record Last Update: 20260801T191244+0000

Ratings and Alerts

No rating or validation information has been found for University of Arizona Analytical and Biological Mass Spectrometry Core Facility.

No alerts have been found for University of Arizona Analytical and Biological Mass Spectrometry Core Facility.

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 [kravitz2](#) .

Favela A, et al. (2026) Lost and found: Rediscovering microbiome-associated phenotypes that reshape agricultural sustainability. Science advances, 12(1), eaed3360.

Warren PD, et al. (2025) Paratope plasticity determines anti-HER2 (4B5) antibody specificity. mAbs, 17(1), 2583770.

Liu T, et al. (2025) Evaluating Differential Metabolic Profiles by Prostate Cancer Risk Among Prostate Cancer Patients. Metabolites, 15(12).

Methawasin M, et al. (2025) An ovary-intact postmenopausal HFpEF mouse model; menopause is more than just estrogen deficiency. American journal of physiology. Heart and circulatory physiology, 328(4), H719.

Wegrzynowicz AK, et al. (2024) Substrate dependence of transport coupling and phenotype of a small multidrug resistance transporter in Pseudomonas aeruginosa.

Journal of bacteriology, 206(10), e0015124.

Sutar Y, et al. (2024) Oral Self-Nanoemulsifying System Containing Ionic Liquid of BX795 Is Effective against Genital HSV-2 Infection in Mice. ACS infectious diseases, 10(1), 93.

Curtis CJ, et al. (2024) Gold Tripyrrindione: Redox Chemistry and Reactivity with Dichloromethane. Inorganic chemistry, 63(37), 17188.

Wegrzynowicz AK, et al. (2023) A Small Multidrug Resistance Transporter in *Pseudomonas aeruginosa* Confers Substrate-Specific Resistance or Susceptibility. bioRxiv : the preprint server for biology.