

Resource Summary Report

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University of Massachusetts Chan Medical School Metabolomics Core Facility

RRID:SCR_027036

Type: Tool

Proper Citation

University of Massachusetts Chan Medical School Metabolomics Core Facility
(RRID:SCR_027036)

Resource Information

URL: <https://www.umassmed.edu/metabolomics/>

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Description: Core offers the ability to perform both targeted (including stable isotope tracing studies) and untargeted metabolomics and lipidomics experiments using liquid- and gas-chromatography mass spectrometry (LCMS/MS and GCMS) on a fee-for-service basis. Offers expertise to assist with every stage of the metabolomics/ lipidomics experimental pipeline, including experimental design, method development, data acquisition and processing, data analysis and interpretation. Offers training on data analysis software including both open-source and vendor proprietary analysis software. Offers access to specialized equipment required for metabolomics/ lipidomics sample extraction and preparation, including a Cryomill and Bead Beater for homogenization of tumors, tissue, stool and whole organisms, and a liquid-handling robot for large scale plasma extractions.

Synonyms: UMass Chan Medical School Metabolomics Core

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

Keywords: ABRF, metabolomics and lipidomics experiments, liquid- and gas-chromatography mass spectrometry, experimental design, method development, data acquisition and processing, data analysis and interpretation,

Resource Name: University of Massachusetts Chan Medical School Metabolomics Core Facility

Resource ID: SCR_027036

Alternate IDs: ABRF_3254

Alternate URLs: https://coremarketplace.org/RRID:SCR_027036/?citation=1

Record Creation Time: 20250607T055528+0000

Record Last Update: 20260801T191404+0000

Ratings and Alerts

No rating or validation information has been found for University of Massachusetts Chan Medical School Metabolomics Core Facility.

No alerts have been found for University of Massachusetts Chan Medical School Metabolomics Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Munden AL, et al. (2025) Distinct S-adenosylmethionine synthases link phosphatidylcholine to mitochondrial function and stress survival. PLoS biology, 23(12), e3003075.

Sugama N, et al. (2025) Modulation of nutritional composition and aroma volatiles in cultivated pork fat by culture media supplementation. Frontiers in nutrition, 12, 1674183.