

Resource Summary Report

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University of Illinois at Urbana-Champaign Roy J. Carver Biotechnology Center Metabolomics Core Facility

RRID:SCR_025273

Type: Tool

Proper Citation

University of Illinois at Urbana-Champaign Roy J. Carver Biotechnology Center
Metabolomics Core Facility (RRID:SCR_025273)

Resource Information

URL: <https://biotech.illinois.edu/metabolomics>

Proper Citation: University of Illinois at Urbana-Champaign Roy J. Carver Biotechnology Center Metabolomics Core Facility (RRID:SCR_025273)

Description: Core identifies and quantifies small molecules from variety of origins such as biological tissue, blood, serum, plasma, cell, cell medium, urine, feces, among others. Provides support for untargeted and targeted metabolite profiling, detecting such compounds as sugars and sugar phosphates, alcohols, amine and polyamines, amino acids, fatty acids, complex lipids, nucleotides, organic acids, phenolics, bile acids, steroids/hormones, neurotransmitters and neuromodulators, phthalates, and many more emerging metabolites. Helps execute projects, including protocol development, sample preparation, instrument method development, instrument data acquisition, and data processing. Multiple complementary analytical methods are utilized with mass spectrometry. Our laboratory has mass spectrometers, including liquid chromatograph-mass spectrometers such as Agilent 6560 ion mobility Q-TOF and Agilent 6546 Q-TOF systems, in addition to our Thermo Fisher Q Exactive hybrid quadrupole-orbitrap, Thermo Fisher Altis triple quadrupole, Sciex 6500+ triple quadrupole, and Sciex 5500 hybrid triple quadrupole-ion trap (QTRAP), as well as gas chromatograph-mass spectrometers including Agilent 5977A, Agilent 5975C, and Agilent 5973.

Synonyms: UIUC, Roy J. Carver Biotechnology Center, Metabolomics Facility

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

Keywords: ABRF, small molecules, biological tissue, blood, serum, plasma, cell, cell medium, urine, feces, metabolite profiling,

Funding: Roy J. Carver Charitable Trust ;
National Center for Research Resources

Resource Name: University of Illinois at Urbana-Champaign Roy J. Carver Biotechnology
Center Metabolomics Core Facility

Resource ID: SCR_025273

Alternate IDs: ABRF_2728

Alternate URLs: <https://coremarketplace.org/?FacilityID=2728&citation=1>

Record Creation Time: 20240419T053248+0000

Record Last Update: 20260819T044611+0000

Ratings and Alerts

No rating or validation information has been found for University of Illinois at Urbana-Champaign Roy J. Carver Biotechnology Center Metabolomics Core Facility.

No alerts have been found for University of Illinois at Urbana-Champaign Roy J. Carver Biotechnology Center Metabolomics Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.