Resource Summary Report

Generated by NIF on May 19, 2025

BIDMC Mass Spectrometry Core

RRID:SCR_009672
Type: Tool

Proper Citation

BIDMC Mass Spectrometry Core (RRID:SCR_009672)

Resource Information

URL: http://bidmc.org/Research/CoreFacilities/MassSpectrometryCore.aspx

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Description: Core facility that provides the following services: Mapping of post-translational modifications by LC/MS/MS, Protein (complex) identification by LC/MS/MS, Relative quantification of peptides by LC/MS/MS, SILAC, iTRAQ, and Isotope-free ratio quantification service, Metabolomics profiling service.

The Mass Spectrometry Core Facility has been serving the BIDMC community since 2004. We specialize in a targeted mass spectrometry based proteomics approach for isolated proteins and protein complexes, especially phosphorylation and other post-translational modifications involved in cellular signaling using cutting edge instrumentation. Our trained staff offers the highest quality and reliable service with meticulous attention to detail for each sample. We routinely provide services including protein identification, post-translational modification mapping, and relative peptide/protein quantification by stable isotope labeling and label free methods using highly sensitive microcapillary LC/MS/MS techniques at nanoliter flow rates. Several different types of mass spectrometry are utilized depending upon the needs of the researcher including a fast scanning and highly sensitive 2D linear ion trap and a high resolution/high mass accuracy LTQ-Oribitrap mass spectrometer acquired in 2007. In 2005, in agreement with Harvard Medical School''s Pathology Dept., the BIDMC Mass Spectrometry Core became part of the NRB Mass Spectrometry and Proteomics Core, expanding its services and became part of the Cancer Proteomics Core for the Dana Farber Harvard Cancer Center. We serve all institutions regardless of affiliation and have an interest in samples related to many diseases such as cancer and diabetes.

Synonyms: BIDMC Mass Spectrometry (Proteomics / Metabolomics) Core, BIDMC Mass Spectrometry Facility

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

Keywords: mass spectrometry assay, post translational modification identification by mass spectrometry, metabolite profiling

Funding:

Resource Name: BIDMC Mass Spectrometry Core

Resource ID: SCR_009672

Alternate IDs: nlx_156129

Alternate URLs: http://www.bidmcmassspec.org http://harvard.eagle-i.net/i/0000012a-2519-b5d3-5617-794280000000

Record Creation Time: 20220129T080254+0000

Record Last Update: 20250517T055932+0000

Ratings and Alerts

No rating or validation information has been found for BIDMC Mass Spectrometry Core.

No alerts have been found for BIDMC Mass Spectrometry Core.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.