Resource Summary Report

Generated by T1D on Aug 1, 2026

UVa W.M. Keck Biomedical Mass Spectrometry Laboratory

RRID:SCR_012589
Type: Tool

Proper Citation

UVa W.M. Keck Biomedical Mass Spectrometry Laboratory (RRID:SCR_012589)

Resource Information

URL: http://www.scienceexchange.com/facilities/w-m-keck-biomedical-mass-spectrometry-laboratory-virginia

Proper Citation: UVa W.M. Keck Biomedical Mass Spectrometry Laboratory (RRID:SCR_012589)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on April 15,2024. W.M. Keck Biomedical Mass Spectrometry Laboratory within the Biomolecular Research Facility identifies and analyzes proteins from gels and solution using current mass spectrometry techniques. There are techniques to compare samples which have different amounts of the same proteins. Analyses available: - Protein identification and sequencing from gel or solution by either peptide mass fingerprinting or ESI-LC/MS/MS at the low femtomole level. - Analysis of protein mixtures such as tissue and media analysis of tissue samples prepared by Laser Capture Microdissection - Proteomics, comparison of proteins in tissue samples using chemical/isotopic labels or label free analysis - Absolute quantitation of proteins using labeled peptides and selective reaction monitoring - Identification of phosphorylation sites using titanium dioxide enrichment - Identification of post-translational modifications (deamination, ubiquitination, etc) - De Novo (manual) sequence analysis of novel proteins to obtain sufficient sequence data for cloning - High resolution, high mass accuracy measurements of peptides and small proteins - Confirmation of peptide identity by MALDI mass measurements - Identification of binding partners Equipment Our current mass spectrometers: - Thermo Scientific LTQ Orbitrap Velos for high accuracy, high sensitivity analysis - Bruker Microflex for mass analysis by MALDI - Thermo Scientific TSQ Quantum Access MAX triple quadrupole instrument Sample types analyzed: - gel bands, stained with Coomassie, silver, fluorescent stains - proteins in solution - tissue samples - media - Laser Capture Microdissection tissue samples.

Abbreviations: UVa W.M. Keck Biomedical Mass Spectrometry Laboratory

Synonyms: University of Virginia School of Medicine W.M. Keck Biomedical Mass Spectrometry Laboratory

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

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: UVa W.M. Keck Biomedical Mass Spectrometry Laboratory

Resource ID: SCR_012589

Alternate IDs: SciEx_511

Record Creation Time: 20220129T080311+0000

Record Last Update: 20260731T042850+0000

Ratings and Alerts

No rating or validation information has been found for UVa W.M. Keck Biomedical Mass Spectrometry Laboratory.

No alerts have been found for UVa W.M. Keck Biomedical Mass Spectrometry Laboratory.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.