Charles W. Gehrke Proteomics Center
University of Missouri
On-Campus Fee Schedule
Rates are for MU users. For off-campus rates please contact Brian at 573-884-7374. July 2022

PROTEIN PREPARATION

phenol extraction (useful for plants and other recalcitrant tissues)		1 **OR** 2	$104
		3 to 5	$94
		>5	$78
acetone/TCA precipitation (human cells, lysates, etc.)		1 to 10	$51
		11 to 25	$46
		26 to 50	$39
		>50	$26
resuspension & quantitation of user-supplied acetone pellet (per sample)			$26

SDS-PAGE

Pour gel, run, stain with coomassie blue	MiniVE	10 lanes	$119
	SE600	25 lanes	$147
	DALT6	35 lanes	$200

ELECTROPHORETIC TRANSFER

set up, transfer, staining with Ponceau	MiniVE	1st gel	$86
choice of nitrocellulose or PVDF		extra gel(s)	$43
	SE600	1st gel	$99
		extra gel(s)	$49

In-Gel Trypsin Digestion

coomassie	band or spots	1 to 10	$108
		>10	$98
	96-well plate	per plate	$1,550
silver	band or spots	1 to 10	$112
		>10	$101

In-Solution Trypsin Digestion + C18 SPE peptide purification

	(1 to 10)	$94
other proteases are available, e.g. GluC, LysC	(11 to 20)	$85
	(21 to 40)	$70
	(>40)	$47

Bruker timsTOF-PRO High Proteome Coverage LCMS+MSMS

Reversed phase separation of protein digests, MS & MS/MS data acquisition using the PASEF method.	(per hour, 70min = 1 sample)	$98
	(per day, ~16 samples)	$781
	(per week, ~110 samples)	$3,906
DB search & Quantitative Data analysis (per sample)	(1 to 10)	$30
	(11 to 20)	$20
	(>20)	$12
CLIENT use of in-house PEAKS software for results analysis	per hour	$7

Targeted Protein Quantitation using LC-MRM (multiple reaction monitoring)

Method development (generate peptide list unique to protein of interest, check signal using recombinant protein or 1-2 samples, method refinement)		per hour	$27
LC-MRM (using optimized methods)	per hour	~2 samples	$55
	per day	~48 samples	$441
	per week	~330 samples	$2,207

Intact Mass analysis of proteins and DNA

C8 reversed-phase separation of purified/enriched samples, deconvolution of data to yield intact mass	(1 to 5)	$75
	(5 to 15)	$67
	(>15)	$37

LTQ Orbitrap LC-MS+MSMS

Reversed phase separation of protein digests, data acquisition, and database search	(samples 1 through 5)	$84
	(samples 6 through 15)	$75
	(samples 16 through 50)	$62
	(samples 51 through 100)	$42
	(samples >100)	$21

LTQ Orbitrap Accurate/Exact mass MS and MSMS (pure compounds)

ESI direct infusion MS (high resolution, <5ppm mass accuracy, negative- or positive-ion modes)	(1 to 5)	$35
	(6 to 10)	$31
	(>10)	$18