Charles W. Gehrke Proteomics Center
University of Missouri
External Academic Fee Schedule
Please contact Brian at 573-884-7374 to discuss sample submission. July 2022

PROTEIN PREPARATION

phenol extraction (useful for plants and other recalcitrant tissues)		1 OR 2	$189
		3 to 5	$171
		>5	$141
acetone/TCA precipitation (human cells, lysates, etc.)		1 to 10	$93
		11 to 25	$84
		26 to 50	$71
		>50	$46
resuspension & quantitation of user-supplied acetone pellet (per sample)			$46

SDS-PAGE

Pour gel, run, stain with coomassie blue	MiniVE	10 lanes	$217
	SE600	25 lanes	$267
	DALT6	35 lanes	$319

ELECTROPHORETIC TRANSFER

set up, transfer, staining with Ponceau	MiniVE	1st gel	$156
choice of nitrocellulose or PVDF		extra gel(s)	$78
	SE600	1st gel	$180
		extra gel(s)	$89

In-Gel Trypsin Digestion

coomassie	band or spots	1 to 10	$197
		>10	$178
	96-well plate	per plate	$2,879
silver	band or spots	1 to 10	$204
		>10	$184

In-Solution Trypsin Digestion + C18 SPE peptide purification

	(1 to 10)	$171
other proteases are available, e.g. GluC, LysC	(10 to 20)	$154
	(20 to 50)	$128
	(>50)	$85

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)	$178
	(per day, ~16 samples)	$1,423
	(per week, ~110 samples)	$7,111
DB search & Quantitative Data analysis (per sample)	(1 to 10)	$54
	(11 to 20)	$35
	(>20)	$19
CLIENT use of in-house PEAKS software for results analysis	per hour	$11

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	$48
LC-MRM (using optimized methods)	per hour	~2 samples	$97
	per day	~48 samples	$804
	per week	~330 samples	$4,019

Agilent 6520 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)	$158
	(5 to 15)	$141
	(>15)	$80

LTQ Orbitrap LC-MS+MSMS

Reversed phase separation of protein digests, data acquisition, and database search	(samples 1 through 5)	$152
	(samples 6 through 15)	$136
	(samples 16 through 50)	$113
	(samples 51 through 100)	$76
	(samples >100)	$39

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 10)	$84
	(11 to 15)	$76
	(>15)	$41

$102	163
$92	171
$76	141
$50	93
$45	84
$38	71
$25	46
$25	46
$117	217
$144	267
$172	319
$84	156
$42	78
$97	180
$48	89
$106	197
$96	178
$1,550	2879
$110	204
$99	184
$92	171
$83	154
$69	128
$46	85
$96	178
$766	1423
$3,829	7111
$29	54
$19	35
$10	19
$6	11
$26	48
$52	97
$433	804
$2,164	4019
$85	158
$76	141
$43	80
$82	152
$73	136
$61	113
$41	76
$21	39
$45	84
$41	76
$22	41