

Effective
1.2.2019

Fees vor services at Core Facility Mass Spectrometry, Medical Faculty University of Bonn
Users from University of Bonn / University Hospital

	service	deutsche Beschreibung	quantity	price	description
Sample preparation					
1	in-gel digest	In-Gel-Verdau	1 gel spot	15 €	proteolytic digest from gel spots
2	in-gel digest, 24 samples	In-Gel-Verdau (24er Block)	24 spots	237 €	
3	peptide purification (ZipTip)	Peptidreinigung (ZipTip)	1	26 €	removal of salts and other interfering compounds
4	in-solution digest	Lösungsverdau	1	39 €	proteolytic digest from proteins in solution (e.g. eluates from IPs)
5	in-solution digest, 8 samples	Lösungsverdau (8er Block)	8	236 €	
6	pre-fractionation of peptides	Pepidfraktionierung	1	113 €	basic reversed phase or isoelectric focussing for reduction of sample complexity
7	enrichment of phosphopeptides	Phosphopeptidanreicherung	1	85 €	TiO2 enrichment with additional Fe-IMAC if possible (up to three fractions)
8	enrichment of phosphotyrosine peptides with pTyr IP	Anreicherung von Phosphotyrosinpeptiden mit pTyr-IP	1	551 €	Preparation of lysates, pTyr1000 IP-based enrichment according to PTM-Scan protocol from CST
9	Isobaric labeling of peptides	Isobare Peptidmarkierung	1 labelling reaction	50 €	for labelling of 50 µg peptides, including TMT reagent
10	labelled arginine for SILAC	Arginin-HCl 13C6 15N4 (50 mg)	50 mg	73 €	example for 0.5 l DMEM
11	labelled lysine for SILAC	Lysin-2HCl 13C615N2 (75 mg)	75 mg	85 €	example for 0.5 l DMEM
12	labelled arginine for SILAC, medium-heavy	Arginin-HCl 13C6 (50 mg)	50 mg	97 €	example for 0.5 l DMEM
13	labelled lysine for SILAC, medium-heavy	Lysin-2HCl D4 (75 mg)	75 mg	49 €	example for 0.5 l DMEM
MS measurements					
14	Intact protein mass by MALDI-TOF measurement	Messung intakte Proteinmasse, MALDI-TOF	1	20 €	only from purified proteins
15	Intact protein mass by Orbitrap measurement	Messung intakte Proteinmasse, Orbitrap	1	48 €	only from purified proteins
16	Top-Down Protein Characterization	Top-Down Charakterisierung	1	226 €	only from purified proteins. Manual optimizations.
17	Protein identification by MALDI-TOF-TOF	Proteinidentifikation MALDI (Einzelprobe)	1 measurement	20 €	only from low-complexity samples (e.g. gel spots)
18	Protein identification by MALDI-TOF-TOF. 12 measurements	Proteinidentifikation MALDI (12er Block)	12 measurements	89 €	
19	Protein identification by LC-MS lower sensitivity.	Protein-Identifizierung LC-MS niedrige Sensitivität.	1 gradient	47 €	standard sensitivity, resolution. 90 min instrument time
20	Protein identification by LC-MS lower sensitivity. 10 measurements	Protein-Identifizierung LC-MS niedrige Sensitivität, 10 Messungen	10 gradients	346 €	
21	Protein identification by LC-MS high sensitivity.	Protein-Identifizierung LC-MS hohe Sensitivität	1 gradient	66 €	120 min. instrument time (90 min gradient), enhanced sensitivity and resolution, required for quantitative analyses
22	Protein identification by LC-MS high sensitivity. 10 measurements	Protein-Identifizierung LC-MS hohe Sensitivität, 10 Messungen	10 gradients	496 €	