

Materials List for:

Selected Reaction Monitoring Mass Spectrometry for Absolute Protein Quantification

Nathan P. Manes¹, Jessica M. Mann¹, Aleksandra Nita-Lazar¹

¹Cellular Networks Proteomics Unit, Laboratory of Systems Biology, National Institute of Allergy and Infectious Diseases, National Institutes of Health

Correspondence to: Aleksandra Nita-Lazar at nitalazarau@niaid.nih.gov

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Materials

Name	Company	Catalog Number	Comments
Acetonitrile (ACN), LC-MS grade	Fisher	A955-1	
BCA (bicinchoninic acid) protein assay kit	Fisher	23235	
Beads for bead beating, zirconia-silica, 0.1 mm	BioSpec Products	11079101z	
Bestatin hydrochloride	Sigma	B8385-10MG	
Cell culture DMEM (with glucose, without L-glutamine)	Lonza	12-614F	
Cell culture EDTA, 500 mM, pH8	Gibco	15575	
Cell culture fetal bovine serum (FBS)	Atlanta Biologicals	S11550	
Cell culture L-glutamine	Sigma	G8540-25G	
Cell culture phosphate buffered saline (PBS) pH 7.4	Gibco	10010-049	
Cell culture Trypan Blue viability stain, 0.4% w/v	Lonza	17-942E	
Cellometer Auto T4 cell counter	Nexcelom Bioscience	Cellometer Auto T4	
Cellometer Auto T4 disposable counting chambers	Nexcelom Bioscience	CHT4-SD100-014	
Dithiothreitol (DTT)	Sigma	D5545-5G	
Formic acid, LC-MS grade, ampules	Fisher	A117-10X1AMP	
Hemocytometer, Neubauer-improved, 0.1 mm deep	Marienfeld-Superior	0640030	
HEPES, 1 M, pH 7.2	Mediatech	25-060-CI	
Hydrochloric acid, 37% w/w	VWR	BDH3028-2.5LG	
Iodoacetamide	Sigma	I1149-5G	
Laser Based Micropipette Puller	Sutter Instrument Co.	P-2000	
LC coated silica capillary, 50 µm id	Polymicro Technologies	1068150017	
LC vial, autosampler, 12 mm x 32 mm polypropylene	SUN SRI	200-268	
LC vial screw cap, autosampler, pre-slit PTFE/silicone	SUN SRI	500-061	
Luciferase, from Photinus pyralis	Sigma	L9506-1MG	
Pepstatin A	EMD Millipore	516481-25MG	
pH strips colorpHast (pH 0.0-6.0)	EMD Chemicals	9586-1	
PhosStop phosphatase inhibitor cocktail	Roche	04906837001	

RapiGest SF	Waters	186001861	
Sep-Pak SPE, C18 1 ml 100 mg cartridge	Waters	WAT023590	
Sep-Pak SPE, extraction manifold, 20 position	Waters	WAT200609	
Sep-Pak SPE, flat-surfaced rubber bulb	Fisher	03-448-25	
Sodium hydroxide (NaOH)	Fisher	S318-500	
SpeedVac vacuum concentrator	Fisher	SPD111V	
Trifluoroacetic acid (TFA), LC-MS grade	Fisher	A116-50	
Trypsin, sequencing grade, modified	Promega	V5113	
Tube decapper for Micronic tubes	USA Scientific	1765-4000	
Tubes, 2 ml microcentrifuge, o-ring screw-cap, sterile	Sarstedt	72.694.006	
Urea	Sigma	U0631-500g	
Water, LC-MS grade	Fisher	W6-1	