

Materials List for:

Quantitative Mass Spectrometric Profiling of Cancer-cell Proteomes Derived From Liquid and Solid Tumors

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Materials

Name	Company	Catalog Number	Comments
660 nm Kit	Thermo scientific	22662	
Cell culture medium depleted of arginine and lysine	Thermo Scientific	88421	
Coomassie Brilliant Blue R-250 staining solution	Bio Rad	161-0436	
Dialyzed fetal calf serum (FCS)	PAA	A15-107	
Diffuser caps for microdissection	MMI	50202	
FACS-sorter	BD	FACSAria III	
Ionic Detergent Compatibility Reagent	Thermo scientific	22663	
Laser-capture microdissector	MMI	cell cut plus	
LDS buffer	Life Technologies	NP0009	
Membrane slides for microdissection	MMI	50103	
Microcon YM-30	Millipore	MRCF0R030	
NuPAGE 4-12% Bis-Tris Mini Gels	Life Technologies	NP0335PK2	
Picofrit Self-Pack Columns	New Objective	PF360-75-15-N-5	Mass Spectrometry Column/ Emitter
Reducing agent	Life Technologies	NP0007	
Reprosil-Pur LC/MS/MS Column stationary phase	Dr. Maisch	120 C18-AQ, 3 µm	
Reprosil-Pur LC/MS/MS Precolumn stationary phase	Dr. Maisch	120 C18-AQ, 5 µm	
SILAC-labeled arginine	Eurisotop	CLM-2265-H-0.1	
SILAC-labeled lysine	Eurisotop	DLM-2640-0.25	
Trypsin, NB Sequencing Grade	Serva	3728301	for in-gel digests
Trypsin, Sequencing Grade	Promega	V5111	for in-solution digests
Buffer and solutions			
Cell lysis buffer: 150 mM NaCl, 50 mM Tris/HCl pH 7.8, 5 mM NaF, 0.5% NP40, 0.1% laurylmaltoside, Roche complete protease inhibitor, 1 mM Na ₃ VO ₄			

Tissue lysis buffer: 100 mM Tris/ HCl pH 7.8, 0.1 M DTT			
Urea: 8 M urea in 0.1 M Tris-HCl, pH 8.5			for FASP-protocoll
IAA: 0.05 M iodoacetamide, 8 M urea, 0.1 M Tris-HCl, pH 8.5			for FASP-protocoll
0.05 M NH_4HCO_3			
10 mM dithiothreitol (DTT) in 0.1 M ammonium bicarbonate			for in-gel digest
55 mM iodoacetamide (IAA) in 0.1 mM ammonium bicarbonate			for in-gel digest
5% aqueous formic acid.			