Materials List for:

Quantification of Proteins Using Peptide Immunoaffinity Enrichment Coupled with Mass Spectrometry

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URL: http://www.jove.com/video/2812/

Materials

Name	Company	Catalog Number	Comments
1000ul Deep well 96-well plates	Eppendorf	951032786	
Oasis HLB 1 cc cartridge plate, Sep-pak, 40 mg 96 well plate	Waters	186003966	
Kingfisher 96 well plate	Thermo Fisher Scientific, Inc.	97002540	
Clear 96 well, white wall plate	Bio-Rad	HSP9601	
Foil cover for 96 well plate	Excel Scientific	12-169	
Axymat Sealing mat for 96 well plate	Axygen Scientific	521-01-151	
X pierce film	Sigma-Aldrich	Z722502	
Kingfisher magnetic bead processor with PCR magnet head	Thermo Fisher Scientific, Inc.	HSP 9601	
Table 1: Materials			
Urea	Sigma-Aldrich	U6031	
Trizma base	Sigma-Aldrich	T1503	
Dithiothreitol (DTT)	Pierce, Thermo Scientific	20291	"no-weigh dithiothreitol"
Iodoacetamide (IAM)	Sigma-Aldrich	I1149	
Trypsin Gold	Promega Corp.	V5280	
Protein G magnetic beads, 2.8um	Invitrogen	10004D	
Phosphate-buffered saline (PBS)	Thermo Fisher Scientific, Inc.	L5401	
CHAPS	Thermo Fisher Scientific, Inc.	28300	
Formic acid	EMD Millipore	11670	
Acetonitrile	Thermo Fisher Scientific, Inc.	A998-1	
Acetic Acid	Sigma-Aldrich	242853	
Table 2: Reagents			
100 mM Tris pH 8			
9 M urea / 30 mM DTT in 100 mM Tris (pH 8)			must be prepared fresh each time
500 mM IAM in 100 mM Tris (pH 8)			must be prepared fresh each time
Trypsin 1mg/mL in 100 mM Tris pH 8			

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Trypsin inhibitor 1mg/mL in 100 mM Tris pH 8			
Stable isotope standard mastermix			
Anti-peptide antibody mastermix			
Table 3: Solutions to be prepared			

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