

Materials List for:

Complete Workflow for Analysis of Histone Post-translational Modifications Using Bottom-up Mass Spectrometry: From Histone Extraction to Data Analysis

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Materials

Name	Company	Catalog Number	Comments
Trypsin 0.25% EDTA	Invitrogen	25200056	For harvesting cells
PBS	Invitrogen	14200075	
Tris	Roche	77-86-1	
Potassium Chloride	Fisher Scientific	BP366-500	
Sodium Chloride	Sigma	S9888	
Magnesium Chloride hexahydrate	Sigma	M9272	
Calcium Chloride, anhydrous	Sigma	C1016	
Sucrose	Fisher Scientific	BP220-1	
DTT	Invitrogen	15508-013	
AEBSF	EMD Millipore Corp	101500	
Microcystin	Sigma	M4194	
Sodium Butyrate	Sigma	B5887	
Halt Protease and Phosphatase Inhibitor Cocktail, EDTA-free (100x)	Fisher Scientific	78445	
NP- 40 Alternative	CALBIOCHEM	492016	
Sulfuric Acid, ACS grade	Fisher Chemical	7664-93-9	
Trichloroacetic acid	Sigma	T6399	
Acetone	Sigma	179124	
HCl	Fisher Chemical	A144-500	
Bradford reagent	Biorad	500-0006	
30% acrylamide/bis 29:1 — 500 ml	Biorad	1610156	
Coomassie	Fisher Scientific	20278	
C18 Column (5 µm) 2.1 mm x 250 mm	Grace	218TP52	
C18 Column (5 µm) 4.6 mm x 250 mm	Grace	218TP54	
HPLC grade acetonitrile	Fisher Chemical	A955-4	
HPLC grade water	Fisher Scientific	W6 4	
TFA	Fisher Scientific	A11650	
Ammonium Bicarbonate	Sigma	A6141	
ammonium hydroxide	Sigma	338818	
propionic anhydride	Sigma	240311	
Sequencing grade modified trypsin	Promega	PRV5113	For digesting histones for MS

Acetic Acid	Sigma	49199	
C18 extraction disk	Empore	2215	
Formic Acid	Sigma	F0507	