

Materials List for

Site Specific Lysine Acetylation of Histones for Nucleosome Reconstitution using Genetic Code Expansion in *Escherichia coli*

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jove.com/video/62113

Materials

Name	Company	Catalog Number	Comments
0.5 M TE Buffer	NA	NA	0.5 M NaCl, 20 mM Tris, 1 mM EDTA, pH 7.8
1 M TE Buffer	NA	NA	1 M NaCl, 20 mM Tris, 1 mM EDTA, pH 7.8
100x TE Buffer	NA	NA	
2 M TE Buffer	NA	NA	2 M NaCl, 20 mM Tris, 1 mM EDTA, pH 7.8
20 mM TE Buffer	NA	NA	20 mM NaCl, 20 mM Tris, 1 mM EDTA, pH 7.8
6 M GuHCl			6M guanidinium chloride, 20 mM Tris, 500 mM NaCl, pH 8.0
Acetylysine			
Column Wash Buffer	NA	NA	6 M urea, 500 mM NaCl, 20 mM Tris, 20 mM imidazole pH 7.8
Elution Buffer	NA	NA	
Fisherbrand Variable-Flow Chemical Transfer Pump	Fischer Scientific	15-077-67	
His-TEV protease			
Histone Lysis Buffer	NA	NA	60 mM Tris, 100 mM NaCl, 0.5% Triton-X100 (v/v), 1 mM PMSF pH 8.0
Ni-NTA Resin			6 M urea, 500 mM NaCl, 20 mM Tris, 250 mM imidazole, pH 7.8
PCR Clean-Up Kit	Epoch Life Sciences	2360050	
Pellet Wash Buffer	NA	NA	60 mM Tris, 100 mM NaCl, pH 8.0
petDUET-His-SUMO-TEV-H4			
petDUET-His-TEV-H2A			
petDUET-His-TEV-H2B			
petDUET-His-TEV-H3			

pEVOL-AckRS	Addgene	137976	
pGEM-3z/601	Addgene	26656	
Storage Buffer	NA	NA	20 mM NaCl, 20 mM Tris, 20 mM NaCl, 1 mM EDTA, 20% glycerol, pH 7.8
Thermocycler			