

Materials List for:

Reconstitution of Nucleosomes with Differentially Isotope-labeled Sister Histones

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URL: <https://www.jove.com/video/55349>

DOI: [doi:10.3791/55349](https://doi.org/10.3791/55349)

Materials

Name	Company	Catalog Number	Comments
Guanidinium HCl	Applchem	A14199	Use high quality Gu-HCl
Tris	Roth	4855.2	
DTT	Applchem	A1101	
NaCl	VWR chemicals	27810.364	
EDTA	Roth	8043.2	
Na ₂ H ₂ PO ₄	Applchem	A1046	
NaH ₂ PO ₄	Applchem	A3902	
Imidazole	Applchem	A1073	
d-Desthiobiotin	Sigma	D1411	
Ni-NTA Superflow	Qiagen	1034557	
Strep-Tactin Superflow	IBA	2-1207-001	
His-probe antibody	Santa Cruz	sc-8036	
Strep-tactin conjugated HRP	IBA	2-1502-001	
Hi-Load 16/600 Superdex 200 pg	GE Healthcare	28-9893-35	
6 - 8 kDa dialysis membrane	Spectrumlabs	spectra/por 1, 132650	
50 kDa dialysis membrane	Spectrumlabs	spectra/por 7, 132129	
10 kDa centrifugal filter unit	Merck Millipore	UFC901024	
30 kDa centrifugal filter unit	Merck Millipore	UFC903024	
Solution-state NMR spectrometer			at least 500 MHz operating frequency, equipped with a triple-resonance cryoprobe
Buffer name	Component		
Unfolding Buffer	7 M Guanidinium HCl		
	20 mM Tris, pH 7.5		
	10 mM DTT		
Refolding Buffer	10 mM Tris, pH 7.5		
	2 M NaCl		
	1 mM EDTA		
	2 mM DTT		
Assay Buffer	25 mM Na ₂ H ₂ PO ₄ , pH 6.8		
	25 mM NaCl		
	2 mM DTT		