

Materials List for:

# Generation of Native Chromatin Immunoprecipitation Sequencing Libraries for Nucleosome Density Analysis

Alireza Lorzadeh<sup>1</sup>, Rodrigo Lopez Gutierrez<sup>1</sup>, Linda Jackson<sup>1</sup>, Michelle Moksa<sup>1</sup>, Martin Hirst<sup>1,2</sup>

<sup>1</sup>Department of Microbiology and Immunology, Michael Smith Laboratories Centre for High-Throughput Biology, University of British Columbia

<sup>2</sup>Canada's Michael Smith Genome Science Center, BC Cancer Agency

Correspondence to: Martin Hirst at [mhirst@bcgsc.ca](mailto:mhirst@bcgsc.ca)

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## Materials

Name	Company	Catalog Number	Comments
1M Tris-HCl –pH 7.5	Thermo Scientific	15567-027	
1M Tris-HCl –pH 8	Thermo Scientific	15568-025	
0.5M EDTA	Thermo Scientific	AM9260G	
5M NaCl	Sigma	1001385276	
Triton X-100	Sigma	1001412354	
Sodium-Deoxycholate	Sigma	1001437582	
SDS	Thermo Scientific	15525-017	
Sodium-Bicarbonate	Fisher Scientific	S233-500	
100% EtOH	NA	NA	
V-bottom 96 well plate (AB 1400)	Thermo Scientific	AB-1400-L	
Gilson P2 pipetman	Mandel	F144801	
Gilson P10 pipetman	Mandel	F144802	
Gilson P20 pipetman	Mandel	F123600	
Gilson P100 pipetman	Mandel	F123615	
Gilson P200 pipetman	Mandel	F123601	
Gilson P1000 pipetman	Mandel	F123603	
Micrococcal Nuclease	NEB	M0247S	
Thermo Mixer C (Heating block mixer)	Eppendorf	5382000023	
Multi 12-channel Pippet P20	Rainin	17013803	
Multi 12-channel Pippet P200	Rainin	17013805	
1.5 ml LoBind tube	Eppendorf	22431021	
0.5 ml LoBind tube	Eppendorf	22431005	
Plastic Plate Cover	Edge Bio	48461	
PCR cover	Bio Rad	MSD-1001	
Aluminum Plate Cover	Bio Rad	MSF-1001	
Elution buffer (EB buffer)	Qiagen	19086	
1M DTT	Sigma	646563	
Eppendorf 5810R centrifuge	Eppendorf	22625004	
Ultrapure water	Thermo Scientific	10977-015	
Protein G dynabeads	Thermo Scientific	10001D	
Protein A dynabeads	Thermo Scientific	10001D	
Protease inhibitor Cocktail	Calbiochem	539134	

Rotating platform	Mandel	1b109-12052010	
Plate magnet	Alpaqua	2523	
Domed 12-cap strip	Bio Rad	TCS1201	
Buffer G2	Qiagen	1014636	
Protease	Qiagen	19155	
Tube Magnet (DynaMag-2)	Thermo Scientific	12321D	
Tube Magnet (DynaMag-2)	LabCore	730-006	
V shape Plastic reservoir	Mandel	S0100A	
Vortex	Mandel	C1801	
Mini Fuge	Mettler Toledo	XS2035	
Analytical scale	Mandel	LB109-12052010	
Quick Ligation Reaction Buffer, 5X	NEB	B6058S	
DNA Polymerase I, Large (Klenow) Fragment	NEB	M0210S	
Klenow Fragment (3'-5' exo)	NEB	M0212S	
T4 DNA Polymerase	NEB	M0203S	
T4 Polynucleotide Kinase	NEB	M0201S	
Deoxynucleotide Solution mix, 10mM	NEB	N0447S	
dATP Solution 10mM	NEB	N0440S	
Quick T4 DNA Ligase	NEB	M0202T	
Adenosine 5'-Triphosphate (ATP), 25mM	NEB	P0756S	
DNA Polymerase	Thermo Scientific	F549L	
NEBuffer 2	NEB	B7002S	
Hank's buffered salt solution	Thermo Scientific	14025076	
Fetal bovine serum	Thermo Scientific	A3160702	
phosphate buffer saline	Thermo Scientific	10010023	
H3K4me3	Cell Signaling	9751S	
H3K4me1	Diagenode	C15410037	
H3K27me3	Diagenode	pAb-069-050	
H3K36me3	Abcam	ab9050	
H3K9me3	Diagenode	C15410056	
SeraMag super-paramagnetic beads			