

Materials List for:

An Integrated Platform for Genome-wide Mapping of Chromatin States Using High-throughput ChIP-sequencing in Tumor Tissues

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Materials

Name	Company	Catalog Number	Comments
ChIP-grade H3K4me1 antibody	Abcam	ab8895	
ChIP-grade H3K27ac antibody	Abcam	ab4729	
ChIP-grade H3K4me3 antibody	Abcam	ab8580	
ChIP-grade H3K79me2 antibody	Abcam	ab3594	
ChIP-grade H3K27me3 antibody	Abcam	ab6002	
ChIP-grade H3K9me3 antibody	Abcam	ab8898	
1M Tris HCl, pH 8.0	Teknova	T1080	
EDTA	Sigma-Aldrich	E9884	
NaCl	Sigma-Aldrich	S7653	
Glycine	Sigma-Aldrich	G8898	
Sodium deoxycholate	Sigma-Aldrich	30970	
DPBS	Sigma - Life Sciences	D8537-500ML	
SDS	Sigma-Aldrich	74255	
Triton-X	Sigma-Aldrich	X100-100ML	
LiCl	Sigma-Aldrich	746460	
NP-40	Calbiochem	492016-100ML	
1% TWEEN-20	Fisher Bioreagents	BP337-500	
BSA - IgG-free	Sigma - Life Sciences	A2058-5G	
HBSS	Gibo	14025092	
GentleMACS C tube	GentleMACS	120-008-466	disassociation tube
16% Formaldehyde	Peierce	28906	
miniProtease inhibitor	Roche Diagnostics	11836153001	protease inhibitor tablets
Dynabeads Protein G	Invitrogen	10009D	
Bioruptor NGS tubes 0.65 mL	Diagenode	C30010011	sonication tubes
DynaMag - 96 Side Skirted	Invitrogen	120.27	96-well magnetic stand
TE buffer	Promega	V6231	
RNase A	Invitrogen	12091021	
Proteinase K	Invitrogen	100005393	
AMPure XP beads	Beckman Coulter	A63882	paramagnetic beads
Ethanol	Sigma-Aldrich	E7023	
Qubit ds DNA High Sensitivity Assay Kit	Invitrogen	Q32854	high sensitivity DNA reagents
NEBNext Ultra II DNA Library Prep Kit	New England BioLabs	E7645L	DNA Library Prep Kit

Nuclease-free water	Ambion	AM9932	
High sensitivity D1000 ScreenTape	Agilent Technologies	5067-5584	high sensitivity DNA reagents
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Multiplex Oligos (Index primers-Set 1)	New England BioLabs	E7335L	Multiplex Oligos
Multiplex Oligos (Index primers-Set 2)	New England BioLabs	E7500L	Multiplex Oligos
TapeStation 4200	Agilent Technologies	G2991AA	high sensitivity DNA electropherogram instrument
Bioruptor Pico sonication device	Diagenode	B01060001	water bath disruptor
Mixer	Nutator	421105	
Bio-Rad C1000 Touch Thermal Cycler	Bio-Rad	1851196	PCR Thermal cycler
Water Bath	Fisher Scientific	2322	
Multichannel Pipet	Denville	1003123	
Tube Revolver	Thermo-Scientific	88881001	
96-Well Skirted Plate	Eppendorf	47744-110	
Allegra X-12R Centrifuge	Beckman Coulter	A99464	benchtop centrifuge
Centrifuge 5424	Eppendorf	22620461	tabletop centrifuge
Optical tube strips (8x Strip)	Agilent Technologies	401428	
Optical tube strip caps (8x strip)	Agilent Technologies	401425	
Loading Tips, 10 Pk	Agilent Technologies	5067-5599	
IKA MS3 vortex	IKA	3617000	vortex