

Materials List for

Deciphering High-Resolution 3D Chromatin Organization via Capture Hi-C

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Citation

Hauth, A., Galupa, R., Servant, N., Villacorta, L., Hauschulz, K., van Bommel, J.G., Loda, A., Heard, E. Deciphering High-Resolution 3D Chromatin Organization via Capture Hi-C. *J. Vis. Exp.* (188), e64166, doi:10.3791/64166 (2022).

Date Published

October 14, 2022

DOI

10.3791/64166

URL

jove.com/video/64166

Materials

Name	Company	Catalog Number	Comments
10x PBS pH 7.4	Gibco	10010-023	
37% (vol/vol) paraformaldehyde solution	Electron Microscopy Sciences	15686	single use glass-vials; do not reuse
50 mL PP conical tube	Falcon	352070	
Agarose	Sigma	A9539-500g	
Bioanalyzer	Agilent	G2939BA	
Cell Scrapers - 25 cm Handle and 3.0 cm Blade	Falcon	353089	
CHIR99021	Axon Medchem BV	Axon 1386	
cOMplete Mini, Protease inhibitor cocktail (EDTA-free)	Merck	11836170001	
Countess Cell Counting Chamber Slides	Invitrogen	C10228	
Countess II FL	Invitrogen	ZGEXSCCOUNTLESS2FL	Automated cell counter
Covaris S2	Covaris	500217	Sonicator
DNA LoBind tube, 1.5 mL	Eppendorf	30108051	
DpnII (50000 units/mL)	New England Biolabs	R0543M	
Dulbecco's Modified Eagle Medium (DMEM)	Merck	D6429	
Ethanol (100%)	Merck	1.00983.2500	
Fetal Bovine Serum (FBS)	Thermo Scientific	10270106	
gelatine from porcine skin	Sigma	G1890	
GeneRuler 1 kb Plus DNA Ladder	Thermo Scientific	SM0313	
GlycoBlue	Thermo Scientific	AM9516	Coprecipitant
High-Sensitivity Bioanalyzer chips	Agilent	5067-4626	
Large Cooling Centrifuge 5920 R	Eppendorf	5948000018	
leukaemia inhibitory factor (LIF)	Merck	ESG1107	
Liquiport	KNF	NF300	Benchtop aspiration system

Low-binding filter tips	Biozym	VT0260U, VT0240, VT0220, VT0200U	
Molecular biology grade water	Merck	W3500-6x500ML	
Next Seq 500	Illumina	SY-415-1001	
Next Seq 500 High Output v2 Kit (300 cycles)	Illumina	FC-404-2004	
Nonidet P40 Substitute (NP40)	Merck	11332473001	
PD0325901	Axon Medchem BV	Axon 1408	
Protease inhibitor cocktail (EDTA-free)	Merck	11873580001	
Proteinase K - recombinant, PCR-grade (20 mg/mL)	Thermo Scientific	EO0491	
Qubit 2.0	Thermo Scientific	Q32871	
Qubit assay tubes	Thermo Scientific	Q32856	
Qubit dsDNA High Sensitivity kit	Thermo Scientific	Q32851	
RNase A (10 mg/mL)	Thermo Scientific	EN0531	
Sodium acetate pH 5.2 (3M)	Merck	S7899	
speed vacuum concentrator	Eppendorf	EP5305000100-1EA	
Agencourt AMPureXP	Beckman Coulter	A63881	SPRI beads
SureSelect Target Enrichment Box 1	Agilent	5190-8645	
SureSelect Target Enrichment Kit ILM Indexing Hyb Module Box 2	Agilent	5190-4455	
SureSelect XT Library Prep Kit ILM	Agilent	5500-0132	
T4 ligase (30 units/ μ L)	Thermo Scientific	EL0013	
table-top Centrifuge 5427 R	Eppendorf	5409000012	
Triton-X-100 (500 mL)	Merck	X100-500ML	
Trypan Blue	Invitrogen	T10282	
Trypsine	Thermo Scientific	25300054	
UltraPure Glycine	Thermo Scientific	15527013	
β -mercaptoethanol	Thermo Scientific	31350010	