

Materials List for:

ATAC-seq Assay with Low Mitochondrial DNA Contamination from Primary Human CD4⁺ T Lymphocytes

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Materials

Name	Company	Catalog Number	Comments
1X PBS, Sterile	Gibco	10010023	Can use other comparable products.
5810/5810 R Swing Bucket Refrigerated Centrifuge with 50 mL, 15 mL, and 1.5 mL Tube Buckets	Eppendorf	22625501	Can use other comparable products.
96 Well Round Bottom Plate	Thermo Scientific	163320	Can use other comparable products.
Agilent 4200 Tape Station System	Agilent	G2991AA	Suggested for quality assessment.
Cryotubes	Thermo Scientific	374081	Can use other comparable products.
DMSO	Sigma	D8418	Can use other comparable products.
Dynabeads Human T-Activator CD3/CD28	Invitrogen Life Technologies	11131D	Critical Component
Dynabeads Untouched Human CD4 T Cells Kit	Invitrogen Life Technologies	11346D	Critical Component
Dynamagnet	Invitrogen Life Technologies	12321D	Critical Component
FCS	Gemini Bio Products	100-500	Can use other comparable products.
High Sensitivity DNA Kit	Agilent	50674626	Suggested for quality assessment.
Magnesium Chloride, Hexahydrate, Molecular Biology Grade	Sigma	M2393	Can use other comparable products.
MinElute PCR Purification Kit (Buffer PB, Buffer PE, Elution Buffer)	Qiagen	28004	Critical Component
Mr. Frosty	Thermo Scientific	5100-0001	Can use other comparable products.
NaCl, Molecular Biology Grade	Sigma	S3014	Can use other comparable products.
NEBNext High Fidelity 2X PCR Master Mix	New England BioLabs	M0541	Critical Component
Nextera DNA Library Preparation Kit (2X TD Buffer, Tn5 Enzyme)	Illumina	FC1211030	Critical Component
Nuclease Free Sterile dH2O	Gibco	10977015	Can use other comparable products.
Polysorbate 20 (Tween20)	Sigma	P9416	Can use other comparable products.
PowerUp SYBR Green Master Mix	Applied Biosystems	A25780	Critical Component

Precision Water Bath	Thermo Scientific	TSGP02	Can use other comparable products.
QIAquick PCR Purification Kit	Qiagen	28104	Critical Component
Qubit dsDNA HS Assay Kit	Invitrogen Life Technologies	Q32851	Suggested for quality assessment.
Qubit FluoroMeter	Invitrogen Life Technologies	Q33226	Suggested for quality assessment.
Rosette Sep Human CD4+ Density Medium	Stem Cell Technologies	15705	Critical Component
Rosette Sep Human CD4+ Enrichment Cocktail	Stem Cell Technologies	15022	Critical Component
RPMI-1640	Gibco	11875093	Can use other comparable products.
Sterile Reservoir	Thermo Scientific	8096-11	Can use other comparable products.
T100 Thermocycler with Heated Lid	BioRad	1861096	Can use other comparable products.
Tris-HCL	Sigma	T5941	Can use other comparable products.