

Materials List for

Nuclei Isolation from Mouse Cardiac Progenitor Cells for Epigenome and Gene Expression Profiling at Single-Cell Resolution

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URL

jove.com/video/65328

Materials

Name	Company	Catalog Number	Comments
2100 Bioanalyzer Instrument	Agilent		No catalog number
5M Sodium chloride (NaCl)	Sigma	59222C-500ML	
BSA 10%	Sigma	A1595-50ML	
Chromium Next GEM Chip J Single Cell Kit, 16 rxns	10X Genomics	1000230	
Chromium Next GEM Single Cell Multiome ATAC + Gene Expression Reagent Bundle, 4 rxns (including Nuclei Buffer 20X)	10X Genomics	1000285	
Countess cell counting chamber slides	Invitrogen	C10283	
Countess III FL	Thermofisher		No catalog number
Digitonin (5%)	Thermofisher	BN2006	
DMSO	Sigma	D2650-5x5ML	
DNA LoBind Tubes	Eppendorf	22431021	
D-PBS	Thermofisher	14190094	Sterile and RNase-free
Dual Index Kit TT Set A 96 rxns	10X Genomics	1000215	
Falcon 15 mL Conical Centrifuge Tubes	Fisher Scientific	352096	
Falcon 50 mL Conical Centrifuge Tubes	Fisher Scientific	10788561	
HI-FBS	Thermofisher	A3840001	Heat inactivated
High sensitivity DNA kit	Agilent	5067-4626	
Igepal CA-630	Sigma	I8896-50ML	
LIVE/DEAD Viability/Cytotoxicity Kit	Thermofisher	L3224	
MACS Dead Cell Removal kit: Dead Cell Removal MicroBeads, Binding Buffer 20X	Miltenyi Biotec	130-090-101	
MACS SmartStrainers (30 µm)	Miltenyi Biotec	130-098-458	

Magnesium chloride (MgCl ₂)	Sigma	M1028-100ML	
Milieu McCoy 5A	ThermoFisher	16600082	
MS Columns	Miltenyi Biotec	130-042-201	
NovaSeq 6000 S2	Illumina		No catalog number
Penicillin Streptomycin (Pen/Strep)	ThermoFisher	15070063	
PluriStrainer Mini 40µm	PluriSelect	V-PM15-2021-12	
Rock inhibitor	Enzo Life Sciences	ALX-270-333-M005	
Single Index Kit N Set A, 96 rxn	10X Genomics	1000212	
Standard 90mm Petri dish Sterilin	ThermoFisher	101R20	
Sterile double-distilled water	ThermoFisher	R0582	
Trizma Hydrochloride solution (HCl)	Sigma	T2194-100ML	
Trypan Blue stain (0.4%)	Invitrogen	T10282	
Trypsin 0.05% - EDTA 1X	ThermoFisher	25300054	
Tween20	Sigma	P9416-50ML	
Wide orifice filtered pipette tips 200 µl	Labcon	1152-965-008-9	
ZEISS SteREO Discovery.V8	ZEISS		No catalog number