

Materials List for:

Simultaneous Assessment of Cardiomyocyte DNA Synthesis and Ploidy: A Method to Assist Quantification of Cardiomyocyte Regeneration and Turnover

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Materials

Name	Company	Catalog Number	Comments
0.32 M sucrose	Sigma	84100	
10 mM Tris-HCl (pH = 8)	Sigma	T3253	
5 mM CaCl ₂	Sigma	c5086	
5 mM magnesium acetate	sigma	M-5661	
2.0 mM EDTA	Sigma	E5134	
0.5 mM EGTA	Sigma	63779	
1 mM DTT	Sigma	D0632	
70 mM KCl	Sigma	P9541	
10 mM MgCl ₂	Sigma	M8266	
1.5 mM spermine	Sigma	85590	
Isotype rabbit IgG- CHIP Grade	abcam	abc7415	
Rabbit anti-PCM-1 antibody	Sigma	HPA023374	
Alexa Fluor 488 F(ab') ₂ Fragment of Goat Anti-Rabbit IgG (H+L) Antibody	Life technologies	A-11070	
cell strainers 70 µm and 100 µm	Fisher scientific	11597522, 11517532	
Glass dounce (40 ml) and pestle large clearance	Sigma	D9188-1SET	
EdU (5-ethynyl-2'-deoxyuridine)	Life technologies	A10044	
Click-iT Plus EdU Alexa Fluor 647 Flow Cytometry Assay Kit	Life technologies	C10634	This kit includes reagents required for section, EdU reaction buffer, EdU fixative, saponin-based permeabilization solution and the reagents required for the EdU labelling cocktail.
CyStain DNA 2 step kit,	Sysmex Partec	05 5005	This kit includes reagents required for DAPI labelling (DNA staining solution)
Probe homogeniser, e.g., TissueRuptor	Qiagen	9001273	
TissueRuptor Disposable Probes	Qiagen	990890	
ultracentrifuge	Sorvall		
Facsanto II	BD Biosciences		
Ultracentrifuge Tube, Thinwall, Polypropylene. 38.5 ml, 25 x 89 mm	Beckman Coulter	326823	
Bovine serum albumin	Sigma	A2153	