Materials List for:

Isolation of Cardiomyocyte Nuclei from Post-mortem Tissue

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URL: http://www.jove.com/video/4205/

Materials

Name	Company	Catalog Number	Comments
1. Lysis Buffer			
Name of the reagent			
0.32 M sucrose			
10 mM Tris-HCl (pH = 8)			
5 mM $CaCl_2$			
5 mM magnesium acetate			
2.0 mM EDTA			
0.5 mM EGTA			
1 mM DTT			
2. Sucrose buffer			
Name of the reagent			
2.1 M sucrose			
10 mM Tris-HCl (pH = 8)			
5 mM magnesium acetate			
1 mM DTT			
3. Nuclei storage buffer (NSB plus)			
Name of the reagent			
0.44 M sucrose			
10 mM Tris-HCl (pH = 7.2)			
70 mM KCl			
10 mM $MgCl_2$			
1.5 mM spermine			
Reagents and Equipment	**Company**		
Isotype rabbit IgG- ChIP Grade, #ab37415	Abcam		
Rabbit anti-PCM-1 antibody, #HPA023374	Atlas Antibodies		
Donkey sec. antibody, anti-rabbit Alexa 488 Fluor, #A-21206 or equivalent sec. fluorescent antibody	Life Technologies		
DRAQ5	Biostatus		
cell strainers 30 µm, 70 µm and 100 µm	BD Biosciences		
Glass douncer (40 ml) and pestle "L"	VWR (Wheaton Industries Inc.)		

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T-25 Ultra-Turrax Homogenizer	IKA Germany		
Dispersing tool S25 N-18 G	IKA Germany		
Beckman Avanti Centrifuge	Beckman Coulter		
Falcon Tubes 15 ml and 50 ml	VWR		
Beckman Centrifuge Tubes #363664	Beckman Coulter		
JS13.1 free swinging rotor	Beckman Coulter		
Influx cytometer	Beckman Coulter		
Tube Rotator	VWR		

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