

Materials List for

Analyzing the α -Actinin Network in Human iPSC-Derived Cardiomyocytes Using Single Molecule Localization Microscopy

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URL

jove.com/video/61605

Materials

Name	Company	Catalog Number	Comments
human iPSC cell line	Takara	Y00325	
μ -Slide 8 Well Glass Bottom	ibidi	80827	
0.5ml eppendorf tube	Eppendorf	30121023	
Bovine serum albumin	Sigma Aldrich	A906	
Cardiomyocyte Dissociation Kit	Stem Cell Technologies	05025	
Catalase	Sigma Aldrich	C40-1G	
Cyclooctatetraene	Sigma Aldrich	138924-1G	
Cysteamine	Sigma Aldrich	30070-10g	
Dulbecco's phosphate-buffered saline without Ca ²⁺ and Mg ²⁺	Thermo Fisher	14190169	
F(ab') ₂ -Goat anti-Mouse IgG Alexa Fluor 647	Thermo Fisher	A-21237	
Fiji image processing software (Image J)			
Glucose	Carl Roth	X997.2	
Hydrochloric acid	Sigma Aldrich	H1758	
LSM 780 ELYRA PS.1 system	Zeiss		
Paraformaldehyde	Merck	8187150100	
Pyranose oxidase	Sigma Aldrich	P4234-250UN	
sarcomeric α -actinin antibody [EA-53]	Abcam	ab9465	
Sodium chloride	Sigma Aldrich	S7653	
sterile water	Carl Roth	3255.1	
Triton X-100	Sigma Aldrich	X100	
Trizma base	Sigma Aldrich	T1503	
β -Mercaptoethanol	Sigma Aldrich	63689	