

Materials List for:

# Isolation, Culture, and Functional Characterization of Adult Mouse Cardiomyocytes

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URL: <https://www.jove.com/video/50289>

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## Materials

Name	Company	Catalog Number	Comments
Sodium Chloride	Sigma	S7653	
Potassium Chloride	Sigma	P9333	
Magnesium Chloride	Sigma	M8266	
HEPES	Sigma	H3375	
Sodium Phosphate Monobasic	Sigma	S8282	
D-glucose minimum	Sigma	G8270	
Taurine	Sigma	T0625	
2,3-Butanedione monoxime	Sigma	B0752	
Collagenase B	Roche Applied Science	11088807001	
Collagenase D	Roche Applied Science	11088858001	
Protease XIV from Streptomyces griseus	Sigma	P5147	
Albumin from Bovine Serum	Sigma	A2153	
Calcium Chloride	Sigma	C8106	
Minimum Essential Media	Sigma	51411C	
Albumin solution from bovine serum	Sigma	A8412	
L-glutamine	Sigma	G3126	
Penicillin-Streptomycin	Sigma	P4333	
Insulin-transferrin-sodium selenite media supplement	Sigma	I1884	
Cesium Chloride	Sigma	<a href="#">289329</a>	
Glutamate	Sigma	G3291	
Adenosine 5'-triphosphate magnesium salt	Sigma	A9187	
Ethylene glycol-bis(2-amin-thylether)-N,N,N',N'-tetraacetic acid	Sigma	E3889	
Cesium Hydroxide Solution	Sigma	232041	
Tetraethylammonium hydroxide solution	Sigma	86643	
OptiVisor optical glass binocular visor	Dohegan Optical Company Inc.	N/A	
Tissue forceps, 5.5", 1x2 teeth	Roboz Scientific	RS-8164	
Moloney forceps - 4.5" (11.5 cm) long slight curve, serrated	Roboz Scientific	RS-8254	

Dumont #3 Forceps, Dumostar, tip size 0.17 x 0.10mm	Roboz Scientific	RS-4966	
Packer Mosquito Forceps 5" Straight Flat	Roboz Scientific	RS-7114	
Micro Dissecting Scissors 4.5" Curved Sharp/Sharp	Roboz Scientific	RS-5917	
Micro Dissecting Scissors 3.5" Straight Sharp/Sharp20mm	Roboz Scientific	RS-5907	