

**Materials List for:**

# **Isolation of Functional Cardiac Immune Cells**

Jennifer L. McLarty<sup>1</sup>, Giselle C. Meléndez<sup>1</sup>, William J. Spencer<sup>1</sup>, Scott P. Levick<sup>1</sup>, Gregory L. Brower<sup>1</sup>, Joseph S. Janicki<sup>1</sup>

<sup>1</sup>Department of Cell Biology and Anatomy, University of South Carolina- School of Medicine

URL: <https://www.jove.com/video/3020>

DOI: [doi:10.3791/3020](https://doi.org/10.3791/3020)

## **Materials**

<b>Name</b>	<b>Company</b>	<b>Catalog Number</b>	<b>Comments</b>
Hanks' Balanced Salt	Sigma-Aldrich	H4891	One bottle makes 1 L of Hanks' Balance Salt Solution. Reconstitute Hanks' Balance Salt Solution as a part of the procedure.
Antibiotic- Antimycotic	GIBCO, by Life Technologies	15240-062	
HEPES	Sigma-Aldrich	H3784	
Bovine Serum Albumin	Sigma-Aldrich	A3912	
250 mL Nalogene Filter Bottle	Thermo Fisher Scientific, Inc.	157-0020	
12 N HCL	Fisher Scientific	CAS 7647-01-0	For 6 N, add equal volumes of HCL to deionized water.
10 N NaOH	Fisher Scientific	SC267	For 5 N, add equal volumes of NaOH to deionized water.
Double Distilled Water			
Table of Specific Equipment:			
3-O Suture Silk Braided	Ethicon Inc.	SA64H	
Small Animal Ventilator	CWE, Inc.	SAR-830	Set breathing rate to 40.5 breaths per min.
Bevel 18 gauge needle	BD Biosciences	305199	Trim needle by 1/2 to 3/4 of its original length for use as a tracheal tube.
Teflon Tip (with needle removed) of 24-gauge Baxter quick-cath catheter	Baxter International Inc.	2N111	Reduce the Teflon Tip length by 1/2 to 3/4.
10 cc syringe	Fisher Scientific	14-823-16B	
15 mL Falcon Tubes	BD Biosciences	352097	
Sorvall RT6000B Refrigerated Centrifuge	Fisher Scientific	75-004-377	Remember to pre-cool and keep at 4°C.
Hyclone	Thermo Fisher Scientific, Inc.	S300030.02	
Hemocytometer	Hausser Scientific	HS-LB-1483	