

Materials List for

# Isolation of Mouse Interstitial Valve Cells to Study the Calcification of the Aortic Valve *In Vitro*

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jove.com/video/62419

## Materials

Name	Company	Catalog Number	Comments
3 mm cutting edge scissors	F.S.T	15000-00	
Anti-alpha smooth muscle Actin antibody	abcam		
Anti-mouse, Alexa Fluor 488 conjugate	Cell Signaling	4412	
Arsenazo-III reagent set	POINT SCIENTIFIC	C7529-500	a Kit to measure the concentration of calcium
Bonn Scissors	F.S.T	14184-09	
Calcium hydroxide	SIGMA -Aldrich 31219	31219	
CD31	Novusbio		
Collagenase type I (125 units/mg)	Thermofisher Scientific	17018029	
DMEM	Tthermofisher	11965092	
Extra fine graefe forceps	F.S.T	11150-10	
FBS	Gibco 16000044		
Fine forceps	F.S.T Dumont		
HCl	SIGMA-ALDRICH	H1758	
HEPES 1 M solution	STEMCELLS TECHNOLOGIES		
L-Glutamine 100x	Thermofisher Scientific	A2916801	
Mycozap	Lanza	VZA-2011	Mycoplasma elimination reagent
PBS 10x	SIGMA-ALDRICH		
penicillin streptomycin 100x	Thermofisher Scientific	10378016	
Sodium Pyruvate 100 mM	Thermofisher Scientific	11360070	
Standard pattern forceps	F.S.T	11000-12	
Surgical Scissors - Sharp-Blunt	F.S.T	14008-14	
Trypsin 0.05%	Thermofisher Scientific	25300054	
Vimentin	abcam		