

Materials List for:

Isolation of Murine Valve Endothelial Cells

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Materials

Name	Company	Catalog Number	Comments
Alexa Fluor 568 Goat Anti-Rat IgG (H+L)	Life Technologies	A-11077	
70 µm nylon cell strainer	BD Falcon	352350	
2.5% Trypsin	Invitrogen LT	15090-046	
Bovine Serum Albumin (BSA), Fraction V, Heat Shock Treated	Fisher Scientific	BP1600-100	
CD31 rat anti-mouse antibody	BD Pharmingen	553370	
Chick Serum	Invitrogen LT	16110-082	
Collagenase IV	Invitrogen LT	17104-019	Prepared according to manufacturer's instructions
DNase I, RNase free (10,000 Units)	Roche	4716728001	
EBM-2	Lonza	CC3156	For VEC media
EDTA, 0.5 M Solution	Hoefer	03-500-506	
EGM2 SingleQuot, Bulletkit	Lonza	CC-4176	For VEC media
Fetal Bovine Serum (FBS), Heat Inactivated	Hyclone	SH3007103IH	
Hanks Balanced Salt Solution (HBSS)	Life Technologies	14025-092	
Horse Serum	Invitrogen LT	16050-130	
Hybridization Oven	VWR	230301V	
Medium 199 1X	Corning cellgro	10-060-CV	
Paraformaldehyde 16% Solution EM grade	Electron Microscopy Sciences	15710	
Pen/Strep	MP-Biomed	ICN1670049	
Permanox sterile chamber slide with cover	Thermo-Scientific	177429	
Phosphate-Buffered Saline, 1X	Corning cellgro	21-040-CV	
PrimeTime Mini qPCR Assay	Integrated DNA Technologies	Acta2 (αSMA), GAPDH, Myh6, Myh7, POSTN, CD31, vWF	
StepOnePlus Real-Time PCR System	Applied Biosystems	4376600	
SuperScript VILO Mastermix	Invitrogen LT	11755050	
Name	Company	Catalog Number	Comments
Tie2-GFP mice	Jackson Laboratories	3658	
Tissue forceps #5 11 cm	Dumont	14096	
Trizol	Ambion	15596018	

α -SMA anti-mouse antibody	Sigma-Aldrich	A2547	
VECTASHIELD HardSet Mounting Medium with DAPI	Vector Laboratories	H-1500	