

Materials List for:

Isolation of Perivascular Multipotent Precursor Cell Populations from Human Cardiac Tissue

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Materials

Name	Company	Catalog Number	Comments
AbC Anti-mouse Bead Kit	Molecular Probes	A-10344	
Collagenase I	Gibco	17100-017	Reconstitute powder as required and filter sterilise
Collagenase II	Gibco	17101-015	
Collagenase IV	Gibco	17104-019	
anti-human CD34-PE	BD Pharmingen	555822	Keep sterile
anti-human CD45-APC-Cy7	BD Pharmingen	557833	Keep sterile
anti-human CD56-PE-Cy7	BD Pharmingen	557747	Keep sterile
anti-human CD144-PerCP-Cy5.5	BD Pharmingen	561566	Keep sterile
anti-human CD146-AF647	AbD Serotec	MCA2141A647	Keep sterile
EGM2-BulletKit	Lonza	CC-3162	For collection of cells and culture until adhered
DMEM, high glucose, GlutaMAX without sodium pyruvate	ThermoFischer Scientific	10566-016	
Fetal Bovine Serum	ThermoFischer Scientific	10500-064	Freeze in aliquots and keep sterile
Gelatin	Sigma Aldrich	G1393	Dilute with sterile water
IgG1k-PE	BD Pharmingen	559320	Keep sterile
IgG1k-APC-Cy7	BD Pharmingen	557873	Keep sterile
IgG1k-PE-Cy7	BD Pharmingen	557872	Keep sterile
IgG1k-PerCP-Cy5.5	BD Pharmingen	561566	Keep sterile
IgG1k-647	AbD Serotec	MCA1209A647	Keep sterile
Mouse serum	Sigma Aldrich	M5905	Keep sterile
Paraffin Film - Parafilm M	Sigma Aldrich	P7793	
Penicillin-Streptomycin	Gibco	15979-063	Freeze in aliquots and keep sterile
Phosphate buffered saline pH 7.4	ThermoFischer Scientific	10010-023	Keep sterile
Red Blood Cell Lysing Buffer Hybri-Max	Sigma Aldrich	R7757	Keep sterile
Trypan Blue Solution	Sigma Aldrich	T8154	
Trypsin-EDTA 0.5%(10x)	Invitrogen	15400-054	
FACSARIA FUSION	BD Pharmingen		Fluorescence Activated Cell Sorter