

Materials List for:

A Novel Clinical Grade Isolation Method for Human Kidney Perivascular Stromal Cells

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Materials

Name	Company	Catalog Number	Comments
Baxter bags	Fenwal	R4R-7004	
Human platelets	Sanquin		hospital surplus material expired for less than 2 d is used
platelet lysate			custom made
Disposable sterile bottles	Corning	09-761-11	
500 mL PP centrifuge tubes	Corning	431123	
a-MEM medium	Lonza	BE12-169F	
glutamax	thermo fisher	35050038	
pen/strep	Invitrogen	15070063	
transfusion system	Codan	455609	
DMEM-F12	life technologies	11320-074	
Normal Human Serum (NHS)	Sanquin		
Hepes 1 M	Lonza	BE-17-737E	
NaHCO ₃ 7.5%	Lonza	BE17-613E	
CaCl ₂ 1 M	Sigma-Aldrich	10043-52-4	
UW	Bridge to life	32911	
Heparin	Leo Pharma		
collagenase NB1 GMP grade	SERVA	17455.03	
DMSO	Sigma Aldrich	D2650-100ml	
surgical drapes	3M Nederland	DH999969404	
perfusion pump	metrohm	x007528300	
pump head	metrohm	x077202600	
perfusion tray			custom made
LS25 masterflex tubes	Masterflex	HV-96410-25	
accessory spike	Gambro DASC0	6038020	
pulmozyme	Roche		
culture flasks 25 cm ²	greiner	690175	
culture flask 75 cm ²	greiner	658170	
culture flask 175 cm ²	greiner	661160	
Trypsin	sigma	t4174	
Bovine Serum Albumin (BSA)	Sigma	A2153	
EDTA	Sigma-Aldrich	E5134-500g	
FcR blocking reagent	miltenyi	130-059-901	
anti melanoma beads (NG2)	miltenyi	130-090-452	

cell strainer 70 µm	Corning	352350	
LS columns	Miltenyi	130-042-401	
MACS magnet	miltenyi	130-090-976	
CD34 FITC	BD	555821	
CD45 APC	BD	555485	
CD146 PE	BD	550315	
NG2 APC	R&D	FAB2585A	
CD90 PE	BD	555596	
HLA ABC APC	BD	555555	
CD105 FITC	Ancell	326-040	
HLA DR APC	BD	559866	
CD56 PE	BD	555516	
CD73 PE	BD	550257	
CD31 FITC	BD	555445	
CD133 PE	miltenyi	130-090-853	
PDGF-r	R&D	mab 1263	
mouse IgG1 FITC	BD	345815	
mouse IgG1 PE	BD	345816	
mouse IgG1 APC	BD	345818	
IgG2b PE	BD	555743	
goat anti mouse PE	Dako	R0480	
sodium azide	Merck	822335	
DMEM Ham's F12	Gibco	31331-028	
ITS (insulin, transferrin, selenium)	Sigma	I1884	
hydrocortisone	Sigma	H0135	
triiodothyronine	Sigma	T5516	
Epidermal Growth Factor (EGF)	sigma	E9644	
Immortalized human renal PTEC (HK2)			courtesy of M. Ryan, university college Dublin