

Materials List for:

Phenotypic and Functional Characterization of Endothelial Colony Forming Cells Derived from Human Umbilical Cord Blood

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URL: <https://www.jove.com/video/3872>

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Materials

Name	Company	Catalog Number	Comments
Heparin Sodium Injection, USP	APP Pharmaceuticals	504031	
Ficoll-Paque	Amersham	17-1440-03	
Mixing cannula	Maersk Medical	500.11.012	
EGM-2	Lonza Inc.	CC-3162	
Defined FBS	Hyclone	SH30070.03	
TrypLE express	GIBCO, by Life Technologies	12605	
Rat type I collagen	BD Biosciences	354236	
Matrigel	BD Biosciences	356234	
FcR Block	Miltenyi Biotec	130-059-901	
hCD31, FITC conjugated	BD Biosciences	555445	
hCD45, FITC conjugated	BD Biosciences	555482	
hCD14, FITC conjugated	BD Biosciences	555397	
hCD144, PE conjugated	eBioscience	12-1449-80	
hCD146, PE conjugated	BD Biosciences	550315	
hCD105, PE conjugated	Invitrogen	MHCD10504	
Ms IgG _{1,k} antibody, FITC conjugated	BD Biosciences	555748	
Ms IgG _{1,k} antibody, PE conjugated	BD Biosciences	559320	
Ms IgG _{2a,k} antibody, FITC conjugated	BD Biosciences	555573	
Anti-human CD31	Dako	clone JC70/A	
Anti-mouse CD31	BD Biosciences	553370	
0.22-µm vacuum filtration system	EMD Millipore	SCGPU05RE	
Glacial acetic acid, 17.4N	Fisher Scientific	A38-500	
Antibiotic-Antimycotic	Invitrogen	15240-062	
Fetal bovine serum (FBS)	Hyclone	SH30070.03	
IHC Zinc Fixative	BD Biosciences	550523	
Sytox green reagent	Invitrogen	S33025	
Cloning cylinders, sterile	Fisher Scientific	07-907-10	