

Materials List for:

# Isolation of Blood-vessel-derived Multipotent Precursors from Human Skeletal Muscle

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URL: <https://www.jove.com/video/51195>

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## Materials

Name	Company	Catalog Number	Comments
Collagenase type 1	Sigma	C5894	Sterile vial
Collagenase type 2	Sigma	C1764	Sterile vial
Collagenase type 4	Sigma	C1889	Sterile vial
Anti-human CD34 APC	BD Pharmingen	555824	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 PE	Beckman Coulter	A07481	Keep sterile
Anti-human CD146 FITC	AbD Serotec	MCA2141F	Keep sterile
FACS Aria II Flow Cytometer	Becton-Dickinson		
EGM-2 complete medium	Lonza	CC-3162	For culturing PCs (only P0)
DMEM high glucose (1X), liquid, with L-glutamine, without sodium pyruvate	Invitrogen	11965	For culturing PCs
DMEM high glucose (1X), liquid, with L-glutamine, with sodium pyruvate	Invitrogen	11995	For culturing MECs and ACs
Fetal bovine serum	Invitrogen	10437-028	
Heat-inactivated horse serum	Invitrogen	26050-088	
Penicillin/streptomycin	Invitrogen	15140-122	
Antibiotic-antimycotic (100X)	Invitrogen	15240-062	
Trypsin-EDTA 0.5% (10X)	Invitrogen	15400-054	
Dulbecco's PBS without calcium and magnesium	Invitrogen	14190-250	
Chick embryo extract	Accurate Chemical	CE650T-10	Filter before use