

Materials List for

Studying Adipose Endothelial Cell/Adipocyte Cross-Talk in Human Subcutaneous Adipose Tissue

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Materials

Name	Company	Catalog Number	Comments
170L CO ₂ Incubator	GS Biotech	170G-014	
2-NBDG (2-(N-(7-Nitrobenz-2-oxa-1,3-diazol-4-yl)Amino)-2-Deoxyglucose)	Invitrogen	N13195	
4% PARAFIX buffered histological fixative	VWR Chemicals	PRC/R/38/1	
Akt (tAkt) Rabbit 1:1000	Cell Signalling Technology	9272	
BD Venflon Pro Safety 14 g x 45 mm, Orange, 50/pk	Medisave	393230	
Bovine Serum Albumin solution, 7.5%	Merck	A8412-100ML	
CD144 (VE-Cadherin) Antibody, anti-human, PE, REAfinity	Miltenyi Biotec	130-118-495	
CD31 Antibody, anti-human, PerCP-Vio 700, REAfinity	Miltenyi Biotec	130-110-811	
CD31 MicroBead Kit, human, 1 kit	Miltenyi Biotec	130-091-935	
CD45 Antibody, anti-human, FITC, REAfinity	Miltenyi Biotec	130-110-769	
Cell Extraction Buffer	Invitrogen	FNN0011	
Centrifuge 5804 R	Eppendorf	5805000060	
Click-iT EdU Cell Proliferation Kit for Imaging, Alexa Fluor 488 dye	Invitrogen	C10337	Cell proliferation imaging kit
Collagenase/Dispase, 500 mg	Roche/Merck	11097113001	
Corning Matrigel Growth Factor Reduced (GFR) Basement Membrane Matrix	Corning	354230	Basement Membrane Matrix
Corning 100 mm TC-treated Culture Dish	Corning	430167	
Costar 24-well Clear TC-treated Multiple Well Plates, Individually Wrapped, Sterile	Corning	3526	
Costar 6-well Clear TC-treated Multiple Well Plates, Individually Wrapped, Sterile	Corning	3516	
CytoFLEX S – 4 laser flow Cytometer	Beckman		
Dead Cell Removal Kit	Miltenyi Biotec	130-090-101	

Dulbecco's Phosphate Buffered Saline	Merck	D8537-500ML	
EASYstrainer Cell sieve for 50 mL tubes, 70 µm mesh, Blue, sterile, 50/pk	Greiner Bio-One	542070	
Endothelial Cell Growth Medium MV	PromoCell	C-22020	
Eppendorf Safe-Lock micro test tubes	Merck	EP0030120094	
Ethylenediaminetetraacetic acid solution	Merck	E8008-100ML	
Falcon 24 Well TC-Treated Cell Polystyrene Permeable Support Companion Plate, with Lid, Sterile, 1/Pack, 50/Case	Appleton Woods	CF537	
Falcon Permeable Support for 24 Well Plate with 0.4 µm Transparent PET Membrane, Sterile, 1/Pack, 48/Case	Appleton Woods	CF521	
Freezing Medium Cryo-SFM	PromoCell	C-29912	
Gelatin solution, 2% in water	Merck	G1393-100ML	
Gibco Antibiotic-Antimycotic (100x), 100mL	Fisher Scientific	11570486	
Gibco TrypLE Select Enzyme (1x), no phenol red	Fisher Scientific	12563029	
Hanks' Balanced Salt solution	Merck	H6648-500ML	
Human Subcutaneous Preadipocyte Cells	Lonza	PT-5020	
Incucyte ZOOM	Essen BioScience		Live-cell analysis system
Insulin solution human	Merck	I9278-5ML	
LS Columns, 25/pk	Miltenyi Biotec	130-042-401	
MACS MultiStand	Miltenyi Biotec	130-042-303	
MACS Tissue Storage Solution	Miltenyi Biotec	130-100-008	
MACSmix Tube Rotator	Miltenyi Biotec	130-090-753	Tube Rotator
MS Columns, 25/pk	Miltenyi Biotec	130-042-201	
NuPAGE 4–12% Bis-Tris Gel	Invitrogen	NP0322BOX	
OctoMACS Separator	Miltenyi Biotec	130-042-109	
PGM-2 Preadipocyte Growth Medium-2 BulletKit	Lonza	PT-8002	
Phospho (Ser1177) eNOS Rabbit 1:1000	Cell Signalling Technology	9570	
Phospho-Akt (Ser473) Rabbit 1:1000	Cell Signalling Technology	4060	
Pre-Separation Filters 30 µm, 50/pk	Miltenyi Biotec	130-041-407	
Propidium Iodide (PI)/RNase Staining Solution	Cell Signalling Technology	4087	
QuadroMACS Separator	Miltenyi Biotec	130-090-976	
Scalpel Disposable Sterile Style 10	VWRI	501	
Screw cap tube, 15 ml, (LxØ): 120 x 17 mm, PP, with print	Sarstedt	62.554.502	
Screw cap tube, 50 ml, (LxØ): 114 x 28 mm, PP, with print	Sarstedt	62.547.254	

Screw cap tube, 50 ml, (LxØ): 114 x 28 mm, PP, with print	Sarstedt	62.547.254	
Total eNOS Mouse 1:1000	BD Biosciences	610297	
Triton X-100, BioUltra, for molecular biology	Merck	93443-500ML	
β-Actin (C4) Mouse 1:5000	Santa Cruz Biotechnology	Sc-47778	