Materials List for:

Strategic Endothelial Cell Tube Formation Assay: Comparing Extracellular Matrix and Growth Factor Reduced Extracellular Matrix

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Materials

Name	Company	Catalog Number	Comments
EGM-2 complete growth medium (EGM-2 bullet kit CC-3162)	Fisher	NC9525043	HUVEC complete growth medium: EGM-2 base medium mixed with BBE (Bovine Brain Extract), hEGF (Human Epidermal Growth Factor), Hydrocortisone, GA-1000 (Gentamicin, Amphotericin-B), 2% FBS (Fetal Bovine Serum), VEGF (Vascular Endothelial Growth Factor), hFGF-β (Human Fibroblast Growth Factor Beta), R3-IGF-1 (Long R Insulin-like Growth Factor One), Ascorbic Acid, and Heparin. Aliquot the medium and its components and store them at -20 °C, warm in 37 °C before use.
MATRIGEL MATRIX 10ML Growth Factor Reduced (GFR); 10 ml; LDEV-Free	Fisher	CB-40230	Growth Factor Reduced (GFR) extracellular matrix, keep in -20 °C, warm in 4 °C before use.
MATRIGEL MATRIX 10ML; 10 ml; LDEV-Free	Fisher	CB-40234	extracellular matrix, keep in -20 °C, warm in 4 °C before use.
SB225002	Fisher	559405	CXCR2 inhibitor, keep in -20 °C, warm in room temperature before use.
Primary human umbilical vein endothelial cells (HUVEC)	ScienCell Research Laboratories	8000	culture it according reference 10.
Trypsin 0.05%-EDTA phenol red	Invitrogen	25300-054	keep in 4 °C, warm in 37 °C before use.
Nikon ECLIPSE Ti	Nikon		Inverted Research Microscope.
NIS-Elements AR 4.20.02 64 bit	Nikon		Inverted Research Microscope software
Graph-pad Prism 5	GraphPad Software, Inc.		scientific 2D graphing and statistics software, to calculate IC_{50}.