

Materials List for:

In Vitro Assays to Assess Blood-brain Barrier Mesh-like Vessel Formation and Disruption

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Materials

Name	Company	Catalog Number	Comments
hCMEC/D3 cells	Milipore	SCC066	
EBM-2 basal media	Lonza	CC-3156	
Collagen Type 1	ThermoFisher	A1064401	
HBSS, calcium, magnesium, no phenol red	ThermoFisher	14025092	
HBSS, no calcium, no magnesium, no phenol red	ThermoFisher	14175095	
Trypsin-EDTA (0.25%)	ThermoFisher	25200056	
Final concentrations of the SingleQuot growth factor supplements for EBM2 media	Lonza	CC-4147	
5% FBS	Lonza	CC-4147	
10% Ascorbic acid	Lonza	CC-4147	
10% Gentamycin sulphate	Lonza	CC-4147	
25% Hydrocortisone	Lonza	CC-4147	
1/4 volume of the supplied growth factors: fibroblast growth factor, epidermal growth factor, insulin-like growth factor, vascular endothelial growth factor	Lonza	CC-4147	
Puromycin hydrochloride	VWR	80503-312	
MEM-HEPES	Thermo Scientific	12360-038	
Papain cell dissociation system (papain and DNase1)	Worthington Biochemical	LK003150	
Human pericytes	Sciencell	1200	
Pericyte basal media	Sciencell	1201	
Pericyte growth supplement	Sciencell	1252	
Human Astrocytes	Sciencell	1800	
Astrocyte media	Sciencell	1801	
Astrocyte growth supplement	Sciencell	1852	
Basement membrane (Matrigel Growth Factor Reduced)	Corning	356231	
Angiogenesis m-plates (96-well)	ibidi	89646	
Human Epidermal growth factor	Shenendoah Biotechnology	100-26	
CellTracker green	ThermoFisher	C7025	
CellTracker orange	ThermoFisher	C34551	
CellTracker blue	ThermoFisher	C2110	

Poly-L-lysine	Sciencell	0403	
10% Neutral Buffered Formalin	Sigma-Aldrich	HT5012-60ML	
C57BL mice	Jackson Laboratory	na	
PCR tube strips	GeneMate	T-3014-2	
Zeiss stereo discover v.8 dissecting microscope	Zeiss	na	