

Materials List for

Endothelial Cell Transcytosis Assay as an *In Vitro* Model to Evaluate Inner Blood-Retinal Barrier Permeability

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jove.com/video/64076

Materials

Name	Company	Catalog Number	Comments
Biological Safety Cabinet	Thermo Electron Corporation, Thermo Fisher Scientific	1286	
Cell culture petridish	Nest Biotechnology	704001	
Centrifuge	Eppendorf	5702	
Centrifuge tubes (15 mL)	Corning Inc.	352097	
Centrifuge tubes (50 mL)	Denville Scientific Inc.	C1062-P	
Cyanine 3-human Transferrin	Jackson ImmunoResearch	AB_2337082	
Endothelial Cell Basal Medium-2 (EBM-2)	Lonza Bioscience	CC-3156	
Endothelial Cell Growth Medium-2 (EGM-2) SingleQuots supplements	Lonza Bioscience	CC-4176	
EVOM Millicell Electrical Resistance System-2 (ERS-2)	Millipore	MERS00002	
Fetal Bovine Serum (FBS)	Lonza Bioscience	CC-4102B	
Gelatin	Sigma-Aldrich	G7765	
Hemocytometer (2-chip)	Bulldog Bio	DHC-N002	
Horseradish Peroxidase (HRP)	Sigma-Aldrich	P8250	
Human retinal microvascular endothelial cells (HRMEC)	Cell Systems	ACBRI 181	
Incubator	Thermo Electron Corporation, Thermo Fisher Scientific	3110	
L cells (for Control-conditioned medium)	ATCC	CRL-2648	
L Wnt-3A cells (for Wnt3A-conditioned medium)	ATCC	CRL-2647	
Light microscope	Leica	DMi1	
Multimode Plate Reader	EnSight, PerkinElmer		
Phosphate-buffered saline (PBS) buffer (1x)	GIBCO	10010-023	

QuantaBlu Fluorogenic Peroxidase Substrate kit	Thermo Fisher Scientific	15169	
Recombinant human Norrin (rhNorrin)	R&D Systems	3014-NR	
Recombinant human Vascular endothelial growth factor (rhVEGF)	R&D Systems	293-VE	
Syringe filter (0.22 μ m)	Millipore	SLGP033RS	
Transwell inserts (6.5 mm transwell, 0.4 μ m pore polyester membrane insert)	Corning Inc.	CLS3470-48EA	
Trypsin-EDTA (0.25%) (1x)	GIBCO	25-200-072	
Water bath	Precision, Thermo Fisher Scientific	51221060	
XAV939 (Wnt/ β -catenin Inhibitor)	Selleckchem	S1180	