

Materials List for:

Lucifer Yellow - A Robust Paracellular Permeability Marker in a Cell Model of the Human Blood-brain Barrier

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Materials

Name	Company	Catalog Number	Comments
hCMEC/D3 cell line	Cedarlane Laboratories	102114.3C-P25	human cerebral microvascular endothelial cell line
gWizLuc	Aldevron	5000-5001	Plasmid DNA encoding luciferase gene
lucifer yellow CH dilithium salt	Invitrogen	155267	
Transwell inserts with polyethylene terephthalate (PET) track-etched membranes	Falcon	353095	
Tissue culture flask	Olympus Plastics	25-207	
24-well Flat Bottom	Olympus Plastics	25-107	
Black 96-Well Immuno Plates	Thermo Scientific	437111	
S-MEM 1X	Gibco	1951695	Spinner-minimum essential medium (S-MEM)
EBM-2	Clonetics	CC-3156	Endothelial cell basal medium-2(EBM-2)
phosphate-buffered saline 1X	HyClone	SH3025601	
Collagen Type I	Discovery Labware, Inc.	354236	
Pierce BCA Protein Assay Kit	Thermo Scientific	23227	
Cell Culture Lysis 5X Reagent	Promega	E1531	
Beetle Luciferin, Potassium Salt	Promega	E1601	
SpectraMax i3	Molecular Devices		Fluorescence Plate Reader
Trypan Blue Solution, 0.4%	Gibco	15250061	
ZO-1 Polyclonal Antibody	ThermoFisher	61-7300	
anti-GAPDH antibody	abcam	ab8245	
Alexa Fluor680-conjugated AffiniPure Donkey Anti-Mouse LgG(H+L)	Jackson ImmunoResearch Inc	128817	
12-well, Flat Bottom	Olympus Plastics	25-106	
RIPA buffer (5X)	Alfa Aesar	J62524	
Aprotinin	Fisher BioReagents	BP2503-10	
Odyssey CLx imager	LI-COR Biosciences		for scanning western blot membranes