

Materials List for:

# Analyzing the Permeability of the Blood-Brain Barrier by Microbial Traversal through Microvascular Endothelial Cells

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## Materials

Name	Company	Catalog Number	Comments
Agar - Agar	Carl Roth	6494.3	BioScience-Grade
Autoclave	Systec	VX-150	
Bacteria <i>E.coli</i> strain GM2163	Fermentas Life Sciences, Lithuania		
Photometer	Eppendorf	6131	
Cells THBMEC	Group of M. F. Stins		
Cell culture flasks	Greiner Bio-One	658175	
Centrifuge Universal 320	Hettrichlab	1401	
Collagen IV	SIGMA Aldrich	C6745	from human cell culture
Countess Automated Cell Counter with cell counting chamber slides and Trypan Blue stain 0.4%	Invitrogen	C10311	
Culture tubes	Greiner Bio-One	191180	
Cuvettes	BRAND	759015	
Di sodium hydrogen phosphate di hydrate	MERCK	1065800500	
DMEM/F-12	GIBCO/ Thermo Sc.	11330032	HEPES
Falcon tubes 15 ml	Greiner Bio-One	188271	
Falcon tubes 50 ml	Greiner Bio-One	227261	
Fetal Bovine Serum	GIBCO/ Thermo Sc.	10270	value FBS -Brazil
Fibronectin	SIGMA Aldrich	F0556	solution human fibroblasts
Heracell 150 CO2 Incubator	Heraeus	50116047	
Incubator shaker I 26 New Brunswick	Eppendorf	M1324-0000	
Inoculation loop	Dr. Ilona Schubert - Laborfachhandel	641000	
LB Broth Base	GIBCO/ Thermo Sc.	12780029	
L-Glutamine	GIBCO/ Thermo Sc.	25030-081	
Microbial incubator B 6200	Heraeus	51015192	
Microbiological Safety Cabinet AURA 2000 M.A.C. Class II	BIOAIR	12469	
Microscope inverse	Zeiss	TELAVAL 31	
Micro tubes 2 ml	Sarstedt	72,695,400	
Micro tubes 1,5 ml	Sarstedt	72,706,400	
Penicillin / Streptomycin	GIBCO/ Thermo Sc.	15140122	
Petri dish	Dr. Ilona Schubert - Laborfachhandel	464-800	

Potassium chloride	Roth	HN02.3	
Potassium-di-hydrogen phosphate	Roth	P018.2	
Sodium chloride	Roth	9265.2	
ThinCerts + Multiwell Plates	Greiner Bio-One	665631	12 well, pore size 3.0 $\mu\text{m}$
Trypsin - EDTA	GIBCO/ Thermo Sc.	15400054	
Vacuumpump Laboport	KNF	N 86 KT.18	