

Materials List for:

Improved Method for the Preparation of a Human Cell-based, Contact Model of the Blood-Brain Barrier

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Materials

Name	Company	Catalog Number	Comments
Attachment Factor	Cell-Systems Corporation	4Z0-210	
Brain microvascular endothelial cells (BECs), primary, human	Cell-Systems Corporation	ACBRI 376	
Complete medium	Cell-Systems Corporation	4Z0-500	Supplemented with CSC JetFuel
Complete serum-free medium	Cell-Systems Corporation	SF-4Z0-500	Supplemented with CSC RocketFuel
DMEM/F-12 with 15 mM HEPES	Life Technologies	11330-032	
Endothelial cells growth supplement (from bovine origin)	Sigma-Aldrich	E2759-15MG	
External silicone tubing	Watson-Marlow	913.A080.016	Pumpsil brand, 8 mm internal diameter, 1.6 mm wall
Foetal calf serum	Lonza	14-501F	
Gentamycin sulfate	Life Technologies	15750-060	
Heparin sodium	Pfizer		1,000 U/ml
Hexamethyldisilazane (HMDS)	Sigma-Aldrich	H4875	
Human brain microvascular endothelial cells	Cell-Systems Corporation	ACBRI 376	
Internal silicone tubing	Watson-Marlow	913.A032.016	Pumpsil brand, 3.2 mm internal diameter, 1.6 mm wall
L-Glutamine	Life Technologies	25030	
Mayer's hematoxylin solution	Amber Scientific	MH	
Minimum essential medium with Earle's balanced salt solution	HyClone Laboratories	SH30244.01	
Penicillin/Streptomycin	Life Technologies	15140	
Rat collagen I	Trevigen	3440-100-01	Cultrex brand
Tissue culture inserts	Corning Life Sciences	3472	Transwell brand, 6.5 mm in diameter, with polyester porous membrane, 3 µm pore-size