

Materials List for:

Evaluation of Bioenergetic Function in Cerebral Vascular Endothelial Cells

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Materials

Name	Company	Catalog Number	Comments
bEnd.3 cell line	ATCC	CRL-2299	25 - 30 passages
Dulbecco's Modified Eagle's Medium (DMEM)	ATCC	30-2002	
Fetal Bovine Serum	Atlanta Biologicals	S12450	10% final concentration
Penicillin/Streptomycin	Hyclone	SV30010	1×100 stocking
0.25% trypsin, 0.03% EDTA solution	Corning	25-053-CI	
Sodium pyruvate	Corning	25-000-CI	1.0 µM final concentration
Glucose	Sigma	CAS 50-99-7	25 mM final concentration
Oligomycin	Sigma	O4876	1.0 µM final concentration
Carbonilcyanide 4-(trifluoromethoxy) phenylhydrazone (FCCP)	Sigma	C2920	0.5 µM final concentration
Rotenone	Sigma	R8875	1.0 µM final concentration
Antimycin A	Sigma	CAS 1397-94-0	1.0 µM final concentration
Plate wash station	Seahorse Bioscience		
Extracellular flux bioanalyzer	Seahorse Bioscience	XFe96	
Extracellular flux cell culture plate	Seahorse Bioscience	102416-100	
Extracellular flux sensor cartridge	Seahorse Bioscience	102416-100	
Extracellular flux calibrant solution	Seahorse Bioscience	100840-000	
Extracellular flux assay medium	Seahorse Bioscience	102365-100	PH buffered prior to assay