

Barrier Functional Integrity Recording on bEnd.3 Vascular Endothelial Cells *via* Transendothelial Electrical Resistance Detection

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Materials

Name	Company	Catalog Number	Comments
24-well transwell plate	Corning (Corning 3470, 0.33 cm ² , 0.4 μm)	10522023	
75 % ethanol	ChengDu Chron Chemicals Co.,Ltd	2023052901	
96-well plate	Guangzhou Jet Bio-Filtration Co., Ltd	220412-078-B	
bEnd.3 cells	Hunan Fenghui Biotechnology Co., Ltd	CL0049	
Cell counting kit-8 (CCK-8)	Boster Biological Technology Co., Ltd	BG0025	
Cell culture dish (100mm)	Zhejiang Sorfa Life Science Research Co., Ltd	1192022	
Cobalt Chloride (CoCl ₂)	Sigma	15862	
DMSO	Boster Biological Technology Co., Ltd	PYG0040	
Dulbecco's modified eagle medium (1x)	Gibco ThermoFisher Scientific	8121587	
Fetal bovine serum	Gibco ThermoFisher Scientific	2166090RP	
GraphPad Prism software	GraphPad Software	9.0.0(121)	
Matrigel (Contains collagen IV)	MedChemexpress	HY-K6002	
Microplate reader	Molecular Devices	SpectraMax iD5	
OriginPro 8 software	OriginLab Corporation	v8.0724(B724)	
Penicillin-Streptomycin (100x)	Boster Biological Technology Co., Ltd	17C18B16	
Phosphate buffered saline (PBS, 1x)	Gibco ThermoFisher Scientific	8120485	
Sodium hypochlorite	ChengDu Chron Chemicals Co.,Ltd	2022091501	
Transmembrane resistance meter	World Precision Instruments LLC	VOM3 (verison 1.6)	