

Materials List for

Brain Organoid Generation from Induced Pluripotent Stem Cells in Home-Made Mini Bioreactors

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Materials

Name	Company	Catalog Number	Comments
Advanced DMEM/F-12	Gibco	12634010	DMEM/F-12
AggreWell400	STEMCELL Technologies Inc	34425	24-well culture plate with microwells
B-27 Supplement	Gibco	17504044	Neuronal supplement B
GlutaMAX Supplement	Gibco	35050061	200 mM L-alanyl-L-glutamine
Human BDNF	Miltenyi Biotec	130-096-285	
Human FGF-2	Miltenyi Biotec	130-093-839	
Human GDNF	Miltenyi Biotec	130-096-290	
KnockOut Serum Replacement	Gibco	10828028	Serum replacement
mTESR1	STEMCELL Technologies Inc	85850	Pluripotent stem cell medium
N2 Supplement	Gibco	17502001	
Neurobasal Medium	Gibco	21103049	Basal medium for neuronal cell maintenance
Penicillin-Streptomycin Solution	Gibco	15140130	
Plasmocin	InvivoGen	ant-mpt-1	Antimicrobials
Purmorphamine	EMD Millipore	540220	
StemMACS Y27632	Miltenyi Biotec	130-106-538	Y27632
StemMACS Dorsomorphin	Miltenyi Biotec	130-104-466	Dorsomorphin
StemMACS LDN-193189	Miltenyi Biotec	130-106-540	LDN-193189
StemMACS SB431542	Miltenyi Biotec	130-106-543	SB431542
Trypan Blue Solution	Gibco	15250061	
Versen solution	Gibco	15040066	0.48 mM EDTA in PBS
β-mercaptoethanol	Gibco	31350010	