

Materials List for:

Culturing Human Pluripotent and Neural Stem Cells in an Enclosed Cell Culture System for Basic and Preclinical Research

Alexander E. Stover¹, Siranush Herculian¹, Maria G. Banuelos¹, Samantha L. Navarro¹, Michael P. Jenkins¹, Philip H. Schwartz¹

¹National Human Neural Stem Cell Resource, Childrens Hospital of Orange County Research Institute

Correspondence to: Philip H. Schwartz at pschwartz@choc.org

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Materials

Name	Company	Catalog Number	Comments
Equipment			
Xvivo System	Biospherix	custom made	
Xvivo Software	Biospherix	version i.o.2.1.2.1	
O ₂ Manifold	Amico	P-M2H-C3-S-U-OXY	
CO ₂ Manifold	Amico	M2H-C3-D-U-CO2	
N ₂ Manifold	Western Innovator	CTM75-7-2-2-BM	
Microscope with DP21 camera and fluorescence	Olympus Corporation	CKX41	
Name	Company	Catalog Number	Comments
Reagents			
DMEM/F12 Glutamax	Life Technologies	10565-018	
StemPro hESC Supplement	Life Technologies	A100006-01	
Accutase	Millipore	SCR005	
Phosphate-Buffered Sodium	Hyclone	9236	
Fibroblast Growth Factor 2	R&D Systems	AFL233	
Dimethyl sulfoxide	Protide	PP1130	
Hank's-based Cell dissociation Buffer	Life Technologies	13150-016	
2-Mercaptoethanol	Life Technologies	21985-023	
Epidermal Growth Factor	R&D Systems	AFL236	
Oct-3/4 Antibody	Millipore	AB3209	
TRA-1-60 Antibody	Millipore	MAB4260	
SSEA4 Antibody	Millipore	MAB4304	
BIT-9500 Serum Supplement	Stemcell Technologies	9500	
Name	Company	Catalog Number	Comments
Consumable Supplies			
2 ml Serological pipet	VWR	89130-894	
5 ml Serological pipet	Olympus Plastics	12-102	
10 ml Serological pipet	Olympus Plastics	12-104	
25 ml Serological pipet	Olympus Plastics	12-106	
50 ml Serological pipet	Olympus Plastics	12-107	
6-well plate	Corning	353046	
12-well plate	Corning	353043	
T25 flask	TPP	90026	

T-75 flask	TPP	90076	
20 µl pipet tips	Eppendorf	22491130	
200 µl pipet tips	Eppendorf	22491148	
1,000 pipet tips	Eppendorf	22491156	
Cryovials	Thermo Scientific	5000.102	
70% ethanol	BDH	BDH1164-4LP	
Sanimaster 4	Ecolab	65332960	
Bleach	Clorox	A714239	