

Protocol for Human Blastoids Modeling Blastocyst Development and Implantation

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Materials

Name	Company	Catalog Number	Comments
Neurobasal media	in house		
DMEM/F12	in house		
100X N2 supplement	Gibco	17502048	
50X B27 supplement	Gibco	17504044	
100X Glutamax	Gibco	35050038	
100 mM Sodium Pyruvate	Gibco	11360039	
MEM-Non-essential amino acids	Gibco	11140050	
1 M Hepes	in house		
50 mM 2-Mercaptoethanol	ThermoFisher	31350010	
100X Penicillin-Streptomycin	Sigma-Aldrich	P0781	
Bovine Serum Albumin solution	Sigma-Aldrich	A7979	
PD0325901	Medchem express	HY-10254	
XAV-939	Medchem express	HY-15147	
Gö 6983	Medchem express	HY-13689	
Human recombinant Leukemia Inhibitory Factor	in house		
A83-01	Medchem express	HY-10432	
1-Oleoyl Lysophosphatidic acid (LPA)	Peprtech	2256236	
Y-27632	Medchem express	HY-10583	
CMRL medium	Gibco	21530027	
Fetal Bovine Serum (FBS)	Sigma-Aldrich	F7524	
KnockOut Serum Replacement (KSR)	ThermoFisher	10-828-028	
Accutase	Biozym	B423201	cell detachment solution
Geltrex	ThermoFisher	A1413302	growth factor basement membrane extract

TROP2 antibody	R&D systems	MAB650	
PDGFR α antibody	R&D systems	AF307	
SC-144	Axon	2324	
XMU-MP-1	Med Chem Express	HY-100526	
Matrigel			basement membrane matrix
Countess cell counting chamber slides	Thermo fisher		cell counting slides
DAPI Staining Solution	Miltenyi Biotec	130-111-570	