

Materials List for:

A Simple Method to Identify Kinases That Regulate Embryonic Stem Cell Pluripotency by High-throughput Inhibitor Screening

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Materials

Name	Company	Catalog Number	Comments
mESC media			
CCE mESCs	ATCC	ATCC SCRC-1023	
DMEM Media	Gibco	11965092	
L-Glutamine	Gibco	25030081	Final: 2 mM
Penicillin/Streptomycin	Gibco	15140122	Final: 50 U/ml
2-mercaptoethanol	Sigma	M6250	Final: 0.1 mM
Leukemia Inhibitory Factor (GST fusion)	MRC-PPU reagents and services		Final: 100 ng/mL
Leukemia Inhibitory Factor	Thermo	PMC9484	Final: 100 ng/mL
Non-Essential Amino Acids	Gibco	11140050	Final: 0.1 mM
Sodium Pyruvate	Gibco	11360070	Final: 1 mM
KnockOut Serum Replacement	Invitrogen	10828-028	Final: 5%
Defined Fetal Bovine Serum	Fisher	10703464	Final: 10%
Name	Company	Catalog Number	Comments
TC materials			
Trypsin-EDTA (0.05%), phenol red	Thermo	25300054	
Gelatin from porcine skin	Sigma	1890	
Nunc MicroWell 96-Well Microplates	Thermo	156545	
DPBS, no calcium, no magnesium	Gibco	14190136	
V-bottom 96 well plates	Greiner Bio-one	651261	
Name	Company	Catalog Number	Comments
Lysis Buffer			
Tris buffer	VWR	103157P	
Sodium Chloride	VWR	97061	
EDTA	Sigma	E4884	
1% NP-40	Sigma	9016-45-9	
Sodium Deoxycholate	Sigma	D6750-100g	
β-glycerophosphate	Sigma	G9422	
Sodium Pyrophosphate	Sigma	13472-36-1	
Sodium Fluoride	Sigma	450022	
Sodium Orthovanadate	Sigma	450243	

Roche Complete Protease Inhibitor Cocktail Tablets	Sigma	CO-RO	
Name	Company	Catalog Number	Comments
Chemicals			
Tween	Sigma	P1379-1L	
Milk Powder	Marvel		
Name	Company	Catalog Number	Comments
Western Blotting			
Protran BA 85 Nitrocellulose 0.45 M Pore size (20 cm x 20 cm Sheets) (25 Sheet)	GE	10401191	
Ponceau S	Sigma	P7170-1L	
Name	Company	Catalog Number	Comments
Laboratory Equipment			
Minifold I System	GE	10447850	
ChemiDoc imager	BioRad	1708280	
LiCor Odyssey Imager	LiCor		
Name	Company	Catalog Number	Comments
Antibodies			
Anti-mouse Nanog	Reprocell	RCAB001P	
Anti-Dnmt3b	Imgenex	IMG-184A	
IRDye 800CW Donkey anti-Rabbit	Licor	926-32213	
Anti-mouse-HRP	Cell Signalling Technology	7076S	
Anti-Klf2	Millipore	09-820	
Anti-Klf4	R&D Systems	AF3158	
Anti-Oct4	Santa Cruz	sc-5279	