

Materials List for

# Rapid, Cost-Efficient, Enzyme-Free Passaging of Human Pluripotent Stem Cells on Feeder Cells by Ethylenediaminetetraacetic Acid-Mediated Dis-Adhesion

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## Materials

Name	Company	Catalog Number	Comments
0.5 M EDTA pH 8.0	Invitrogen	15575020	
15 mL centrifuge tubes	Sarstedt	62.554.502	
2-mercaptoethanol	Gibco	31350-010	
50 mL centrifuge tubes	Sarstedt	62.547.254	
Basic fibroblast growth factor (bFGF)	PeproTech	AF-100-18B-250UG	
Brand Bürker Chamber	Fisher Scientific	10628431	
Disposable scalpels no.15	Susann-Morton	505	
DPBS (1x) without Ca/Mg	Gibco	14190-094	
Easy Grip tissue culture dish, 35 x 10 mm	Falcon	353001	
Eppendorf pipette 1 mL	Eppendorf		
Eppendorf pipette 200 µL	Eppendorf		
FBS (Fetal Bovine Serum)	Gibco	10270-106	
Filter tip 1,000 µL	Sarstedt	70.1186.210	
Filter tip 200 µL	Sarstedt	70.760.211	
Gamma Cell 3000 ELAN irradiation machine (alternatively, use Mitomycin C to arrest proliferation)	Best Theratronics	BT/MTS 8007 GC3000E	
Glutamax 100x	Gibco	35050-038	
Growth Factor Reduced Matrixgel	Corning	734-0269	
H9 hESC line	WiCell	WAe009-A	
hPSC Genetic Analysis Kit	Stem Cell Technologies	#07550	
HS429 hESC line	ECACC	K1e024-A	
Human Foreskin Fibroblasts - CRL2429 line	ATCC	CRL2429	
IMDM (1x)	Gibco	21980-032	

iPSC lines	Norwegian Core Facility for Human Pluripotent Stem Cells	NCS001 & NCS002	
Knockout DMEM	Gibco	10829-018	
Laser Scanning Confocal Microscope or equivalent (we use the LSM 700 from Zeiss)	Zeiss		
Microscope	CETI		
Mitomycin C	Sigma Aldrich	M4287	
Non-essential amino acids (NEAA)	Gibco	11140.035	
Pipettes, plastic 10 mL	Sarstedt	86.1254.001	
Pipettes, plastic, 5 mL	Sarstedt	86.1253.001	
Serum Replacement (SR)	Gibco	10828-028	
Sterile filters 0.22 um	Sarstedt	83.1826.102	
T-75 culture flask	ThermoScientific	156499	
Trypan Blue Stain (0.4 %)	Gibco	15250-061	
Trypsin-EDTA, 500 mL	Gibco	25300062	