

Materials List for:

Induced Pluripotent Stem Cell Generation from Blood Cells Using Sendai Virus and Centrifugation

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Materials

Name	Company	Catalog Number	Comments
Plasticware			
100 mm Dish	TPP	93100	
6-well Plate	TPP	92006	
50 ml Conical Tube	SPL	50050	
15 ml Conical Tube	SPL	50015	
10 ml Disposable Pipette	Falcon	7551	
5 ml Disposable Pipette	Falcon	7543	
12-well Plate	TPP	92012	
24-well Plate	TPP	92024	
PBMC Isolation Materials			
DPBS	Life Technologies	14190-144	
Ficoll	GE Healthcare	17-1440-03	
StemSpan	STEMCELL Technologies	9805	Blood cell media
CC110	STEMCELL Technologies	8697	Blood cell media supplement (100x)
iPSC Generation and Culture Materials			
CytoTune-iPSC Sendai Reprogramming Kit	Life Technologies	A16518	
TeSR-E8 Media	STEMCELL Technologies	5940	iPSC media
Vitronectin	Life Technologies	A14700	
ROCK Inhibitor	Sigma Aldrich	Y0503	
TrypLE express (TrypLE)	Life Technologies	12604-039	
ReleSR	STEMCELL Technologies	12604-039	Colony detaching solution
Quality Control Materials			
18 mm Cover Glass	Superior	HSU-0111580	
4% Paraformaldehyde	Tech & Innovation	BPP-9004	
Triton X-100	BIOSESANG	9002-93-1	
Bovine Serum Albumin	Vector Lab	SP-5050	
Anti-SSEA4 Antibody	Millipore	MAB4304	
Anti-Oct4 Antibody	Santa Cruz	SC9081	
Anti-TRA-1-60 Antibody	Millipore	MAB4360	
Anti-Sox2 Antibody	Biologend	630801	
Anti-TRA-1-81 Antibody	Millipore	MAB4381	

Anti-Klf4 Antibody	Abcam	ab151733	
Alexa Fluor 488 goat anti-mouse IgG (H+L) antibody	Molecular Probe	A11029	
Alexa Fluor 594 goat anti-rabbit IgG (H+L) antibody	Molecular Probe	A11037	
DAPI	Molecular Probe	D1306	
Prolong gold antifade reagent	Invitrogen	P36934	
Slide Glass, Coated	Hyun Il Lab-Mate	HMA-S9914	
Trizol	Invitrogen	15596-018	
Chloroform	Sigma Aldrich	366919	
Isopropylalcohol	Millipore	109634	
Ethanol	Duksan	64-17-5	
RevertAid First Strand cDNA Synthesis kit	Thermo Scientific	K1622	
i-Taq DNA Polymerase	iNtRON BIOTECH	25021	
UltraPure 10X TBE Buffer	Life Technologies	15581-044	
loading star	Dyne Bio	A750	
Agarose	Sigma-Aldrich	9012-36-6	
1kb (+) DNA ladder marker	Enzynomics	DM003	
Alkaline Phosphatase	Millipore	SCR004	
Tris base	Fisher Scientific	BP152-1	Rinse Buffer
Sodium Chloride	Duchefa Biochemie	S0520.1000	Rinse Buffer
Tween-20	BIOSESANG	T1027	Rinse Buffer
Hydrochloric Acid	Duksan	1129	Rinse Buffer