

Materials List for:

Reprogramming Human Somatic Cells into Induced Pluripotent Stem Cells (iPSCs) Using Retroviral Vector with GFP

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URL: <https://www.jove.com/video/3804>

DOI: [doi:10.3791/3804](https://doi.org/10.3791/3804)

Materials

Name	Company	Catalog Number	Comments
DMEM/F12	Invitrogen	11330057	80%
Knockout Serum Replacer	Invitrogen	10828-028	20%
L-Glutamine (200 mM)	Invitrogen	25030081	2 mM
Nonessential Amino Acids (10 mM)	Invitrogen	11140050	0.1 mM
β-Mercapto-ethanol (14.3 M) or MTG	Invitrogen	M-6250	0.1 mM
bFGF-2 10 µg/ml	GIBCO, by Life Technologies	GF003AF	4 ng/ml
Penicillin/Streptomycin	EMD Millipore	15140-122	1%
DMEM	Invitrogen	11965118	90%
FBS	Invitrogen	10407028	10%
Penicillin/Streptomycin	EMD Millipore	15140-122	1%

Table 1. Culture Medium

OCT4	Abcam	Ab19857	1:500
SSEA3	EMD Millipore	MAB4303	1:100
SSEA4	BD Biosciences	BD560218	1:100
Tra-1-81	BD Biosciences	BD560173	1:100
Tra-1-60	BD Biosciences	BD560174	1:100
NANOG	Abcam	Ab21624	1:500
Alexa-Flur 488	Invitrogen	A11008	1:1000
Alexa-Flur 555	Invitrogen	A21422	1:1000
DAPI	Invitrogen	D1306	1:5000
pMIG-OCT4	Addgene	17225	
pMIG-SOX2	Addgene	17226	
pMIG-KLF4	Addgene	17227	
pMIG-MYC	Addgene	18119	
Collagenase type IV	Invitrogen	17104019	1mg/ml
Gelatin, Porcine	Sigma-Aldrich	G 1890	0.1%
Triton	Sigma-Aldrich	X100-500ML	0.2%
Paraformaldehyde	Sigma-Aldrich	47608	4%
BSA	American Bioanalytical	AB01800	3%
MEF feeder cells	EMD Millipore	PMEF-N	
Cell Lifter	Corning	3008	
Fluorescent microscopy: inverted microscope with GFP filter			

Table 2. Reagents and equipment