

Materials List for

Application of Live Mitochondria Staining in Cell-Sorting to Purify Hepatocytes Derived from Human Induced Pluripotent Stem Cells

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Materials

Name	Company	Catalog Number	Comments
253G1 human iPS cell line	RIKEN BioResource Research Center	HPS0002	
4% paraformaldehyde	FUJIFILM Wako Pure Chemical Corporation	163-20145	
Activin A Solution, Human, Recombinant	NACALAI TESQUE, INC.	18585	
Anti-Nuclei Antibody, clone 235-1	Chemicon	MAB1281	Antibody against human nuclear antigen
B-27 Supplement (50x), serum free	Thermo Fisher Scientific	17504044	
BD FACSAria III	BD Biosciences		Cell sorter
CHIR-99021	MedChemExpress	HY-10182	
Ciclosporin A	FUJIFILM Wako Pure Chemical Corporation	035-18961	
Collagenase	FUJIFILM Wako Pure Chemical Corporation	034-22363	
Corning Matrigel Growth Factor Reduced (GFR) Basement Membrane Matrix	Corning	354230	Gel-like basement membrane matrix
CultureSure Y-27632	FUJIFILM Wako Pure Chemical Corporation	036-24023	ROCK inhibitor
Dexamethasone	FUJIFILM Wako Pure Chemical Corporation	047-18863	
Dimethyl sulfoxide (DMSO)	FUJIFILM Wako Pure Chemical Corporation	047-29353	
Donkey anti-Goat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 488	Thermo Fisher Scientific	A-11055	
Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 546	Thermo Fisher Scientific	A10036	

Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 488	Thermo Fisher Scientific	A-21206	
Falcon 5 mL Round Bottom Polystyrene Test Tube, with Cell Strainer Snap Cap	Corning	352235	
Fetal Bovine Serum	Biowest	51820-500	
GlutaMAX Supplement	Thermo Fisher Scientific	35050061	Dipeptide L-Alanyl-L-Glutamine
Human/Mouse/Rat/Canine ALCAM/CD166 Antibody	R&D Systems	AF1172	
Hydrocortisone 21-hemisuccinate sodium salt	Sigma-Aldrich	H2270	
iMatrix-511 silk	Nippi	892021	
ImmunoBlock	KAC	CTKN001	Blocking solution
ITS-G Supplement(×100)	FUJIFILM Wako Pure Chemical Corporation	090-06741	
Leibovitz's L-15 Medium	FUJIFILM Wako Pure Chemical Corporation	128-06075	
N-Hexanoic-Try-Ile-(6)-amino Hexanoic amide (Dihexa)	Toronto Research Chemicals	H293745	
Polyclonal Rabbit Anti-Human Albumin	Dako	A0001	
Polyoxyethylene Sorbitan Monolaurate (Tween 20)	NACALAI TESQUE, INC.	28353-85	
RPMI-1640	FUJIFILM Wako Pure Chemical Corporation	189-02025	
Sodium L-Ascorbate	NACALAI TESQUE, INC.	03422-32	
StemFit AK02N	REPROCELL	RCAK02N	
TBS (10x)	NACALAI TESQUE, INC.	12748-31	
Tetramethylrhodamine, methyl ester (TMRM)	Thermo Fisher Scientific	T668	
Triton X-100	NACALAI TESQUE, INC.	28229-25	
Trypan Blue Solution	NACALAI TESQUE, INC.	20577-34	
TRYPsin 250	Difco	215240	
Tryptose phosphate broth solution	Sigma-Aldrich	T8159	