

Materials List for:

# Deriving Retinal Pigment Epithelium (RPE) from Induced Pluripotent Stem (iPS) Cells by Different Sizes of Embryoid Bodies

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URL: <https://www.jove.com/video/52262>

DOI: [doi:10.3791/52262](https://doi.org/10.3791/52262)

## Materials

Name	Company	Catalog Number	Comments
mTeSR1 media + 5x supplement	Stem Cell Technologies	5850	
Y-27632 (Rock Inhibitor)	Stem Cell Technologies	72304	
DMEM/F12	Life Technologies	11330-032	
2-Mercaptoethanol	Sigma	M-7154	
Non essential amino acids	Hyclone(Fisher)	SH30853.01	
Knockout serum replacement	Life Technologies	10828-028	
Gentamicin	Life Technologies	15750-060	
L-Glutamine	Life Technologies	25030-081	
MEM media	Life Technologies	10370-021	
N1 supplement	Sigma	N-6530-5ML	
Taurine	Sigma	T-8691-25G	
Hydrocortisone	Sigma	H0888-1G	
Fetal bovine serum	Hyclone(Fisher)	SH3008803HI	
Triiodo-L-thyronine sodium salt	Sigma	T6397	
Sodium hydroxide	Sigma	S5881	
Dispase	Life Technologies	17105-041	
Matrigel	BD Biosciences	354277	
Phosphate buffered saline	Hyclone(Fisher)	10010-023	
Aggrewell 400 plate	Stem Cell Technologies	27940	
AggreWell medium	Stem Cell Technologies	5893	
Accutase	Stem Cell Technologies	7920	
BD Cytotfix/Cytoperm Fixation/ Permeabilization Kit	BD Biosciences	554714	
Mouse Anti-PAX6 antibody	Developmental Studies Hybridoma Bank		
Rabbit Anti-RX antibody	Abcam	Ab23340	
Mouse Anti-MITF antibody	Thermo Scientific	MS-772-P	
Rabbit Anti-ZO-1 antibody	Invitrogen	40-2200	
RNeasy plus mini kit	Qiagen	74134	
PCR master mix	Promega	M7502	
High capacity RNA to cDNA kit	Life Technologies	4387406	