

Materials List for

Cryopreservation of Human Embryonic Stem Cell-Derived Retinal Pigment Epithelial Cells at the Optimal Stage

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URL: <https://www.jove.com/video/65888>

DOI: [doi:10.3791/65888](https://doi.org/10.3791/65888)

Materials

Name	Company	Catalog Number	Comments
40 µm Cell strainer	Corning	431750	
Click-iT EdU Cell Proliferation Kit for Imaging, Alexa Fluor 488 Dye	Thermo Fisher Scientific	C10337	
Cryo freezing container	Nalgene	5100-0001	
CryoStor CS10	Biolife Solutions	07930	cryopreservation medium #1
DPBS, no calcium, no magnesium	Thermo Fisher Scientific	14190144	
Genxin	Selcell	YB050050	cryopreservation medium #2
Human embryonic stem cells	provided by Wicell, USA	H9 cell line	
Matrigel, hESC-Qualified Matrix	Corning	354277	basement membrane matrix
ThawSTAR CFT2 Automated Cell Thawing System	BioLife Solutions	AST-601	
Trypan Blue solution 0.4%	Sigma	T8154	
TryPLE Select	Thermo Fisher Scientific	12563029	cell dissociation reagent
XVIVO-10 medium	Lonza	BEBP04-743Q	RPE culture medium
Y-27632	Selleck	S1049	