

Materials List for:

Generation of First Heart Field-like Cardiac Progenitors and Ventricular-like Cardiomyocytes from Human Pluripotent Stem Cells

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Materials

Name	Company	Catalog Number	Comments
ACTC1 antibody	Sigma	A7811	
Activin A	Stem Cell Technologies	Hu Recomb Activin A	
Antibiotic Antimycotic (Anti-Anti)	Thermo Fisher Scientific	15240062	
B27 supplement	Thermo Fisher Scientific	17504044	
B27 supplement w/o - insulin	Thermo Fisher Scientific	A1895601	
B27 supplement w/o - vitamin A	Thermo Fisher Scientific	12587001	
CDH5 antibody	R&D Systems	AF938	
CryoStor CS10	Stem Cell Technologies	7930	Cryopreservation reagent
DMEM high Glucose	Mediatech	10-013-CV	
DPBS w/ Ca & Mg	Corning	21-030-CV	
EDTA	Thermo Fisher Scientific	15575-038	
FBS	VWR	89510-186	
FluoVolt membrane potential kit	Thermo Fisher Scientific	F10488	For optical action potential acquisition, please refer to McKeithan et al. 2017
KnockOut Serum Replacement	Gibco	10828010	
Matrigel, Growth Factor Reduced	Corning	356231	Coating reagent
mTeSR1 media kit	Stem Cell Technologies	5850	
PBS w/o Ca & Mg	Corning	21-040-CV	
Penicillin-Streptomycin	Gibco		
Puromycin	Acros	227422500	
ReLeSR	Stem Cell Technologies	5872	Enzyme-free dissociation reagent
RPMI 1640	Thermo Fisher Scientific	11875-093	
TAGLN antibody	Abcam	ab14106	
Thiazovivin	Stem Cell Technologies	72254	RHO/ROCK pathway inhibitor
TrypLE Express	Thermo Fisher Scientific	12605 -010	1X enzyme-containing dissociation reagent
Tyrodes solution mix packets	Sigma	T2145-10X1L	(For optical action potential acquisition, please refer to McKeithan et al. 2017)