

Materials List for:

# Rapid and Efficient Generation of Neurons from Human Pluripotent Stem Cells in a Multititre Plate Format

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## Materials

Name	Company	Catalog Number	Comments
Matrigel HC	Becton Dickinson	354263	See text for details on handling
DMEM/F-12	Life Technologies	21331-020	
Poly(vinyl alcohol)	Sigma	363170	Dissolve at 0.4% in DMEM/F-12 using an ultrasonic waterbath / avoid overheating / can be kept at 4 °C for several weeks
N2 Supplement	Life Technologies	17502-048	100X, store as frozen aliquots
B27 Supplement	Life Technologies	12587-010	50X, store as frozen aliquots
Bovine Serum Albumin	Sigma	A1595	10% = 500X, store as frozen aliquots
L-Glutamine with Penicillin / Streptomycin	PAA	P11-013	Or equivalent
FGF2	Peptotech	100-18B	Dissolve at 10 µg/ml in 0.1% BSA / PBS = 1000X, store as frozen aliquots
ROCK inhibitor Y-27632	abcamBiochemicals	Asc-129	Dissolve at 10 mM in DMSO = 1000X, store as frozen aliquots
PBS	PAA	H15-002	Or equivalent
Accutase	PAA	L11-007	
96-well V-bottom plates	Nunc	277143	
PD0325901	Axon Medchem	Axon 1408	Dissolve at 0.5mM in DMSO = 1000X, store as frozen aliquots
SB431542	abcamBiochemicals	Asc-163	dissolve at 15 mM in DMSO = 1000X, store as frozen aliquots
Dorsomorphin	Santa Cruz	sc-200689	dissolve at 0.5 mM in DMSO = 1000X, store as frozen aliquots
96-well U-bottom ultra-low attachment plates	Corning	7007	
beta-III Tubulin antibody (mouse)	Sigma	T8660	use at 1:1000
beta-III Tubulin antibody (rabbit)	Covance	PRB-435P	use at 1:2000
BRN3A (POU4F1) antibody	Santa Cruz	sc-8429	use at 1:500

**Table 1.** Specific reagents and equipment.