

Materials List for

# Generation of Human Neurons and Oligodendrocytes from Pluripotent Stem Cells for Modeling Neuron-Oligodendrocyte Interactions

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## Citation

Assetta, B., Tang, C., Bian, J., O'Rourke, R., Connolly, K., Brickler, T., Chetty, S., Huang, Y.W.A. Generation of Human Neurons and Oligodendrocytes from Pluripotent Stem Cells for Modeling Neuron-Oligodendrocyte Interactions. *J. Vis. Exp.* (), e61778, doi:10.3791/61778 (2020).

## Date Published

November 9, 2020

## DOI

10.3791/61778

## URL

jove.com/video/61778

## Materials

Name	Company	Catalog Number	Comments
Accutase	STEMCELL Technologies	7920	
B27 supplement	ThermoFisher	17504044	
bFGF	ThermoFisher	PHG 0266	
cAMP	MilliporeSigma	A9501	
Clemastine	MilliporeSigma	SML0445	
DMEM/F12 medium	STEMCELL Technologies	36254	
DMSO	ThermoFisher	D12345	
Doxycycline	MilliporeSigma	D3072	
Fetal Bovine Serum	ScienCell	10	
H1 human ES cells	WiCell	WA01	
Matrigel	Corning	354234	
mTeSR plus	STEMCELL Technologies	5825	
N2 supplement	ThermoFisher	17502001	
Neurobasal A medium	ThermoFisher	10888-022	
Non Essential Amino Acids	ThermoFisher	11140-050	
PDGF-AA	R&D Systems	221-AA-010	
PEI	VWR	71002-812	
pMDLg/pRRE	Addgene	12251	
Polybrene	MilliporeSigma	TR-1003-G	
pRSV-REV	Addgene	12253	
Puromycin	ThermoFisher	A1113803	

ROCK Inhibitor Y-27632	STEMCELL Technologies	72302	
SAG	Tocris	4366	
STEMdiff Neural Progenitor Freezing Media	STEMCELL Technologies	5838	
STEMdiff SMADi Neural Induction Kit	STEMCELL Technologies	8581	
T3 triiodothyronine	MilliporeSigma	T6397	
Tempo-iOlogo: Human iPSC-derived OPCs	Tempo BioScience	SKU102	
TetO-Ng2-Puro	Addgene	52047	
VSV-G	Addgene	12259	