

Materials List for:

Efficient Derivation of Human Neuronal Progenitors and Neurons from Pluripotent Human Embryonic Stem Cells with Small Molecule Induction

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Materials

Name	Company	Catalog Number	Comments
Gelatin	Sigma-Aldrich	G1890	
Matrigel	BD Biosciences	356231	Growth factor reduced
Human laminin	Sigma-Aldrich	L6274	
all- <i>trans</i> -Retinoic acid	Sigma-Aldrich	R2625	
DMEM/F12	Invitrogen	10565018	
DMEM	Invitrogen	31053036	
DMEM-KO	Invitrogen	10829018	
Knock-out serum replacement	Invitrogen	10828028	
MEM nonessential amino acid solution (MNAA, 100X)	Invitrogen	11140050	
MEM amino acids solution(MEAA, 100X)	Invitrogen	11130050	
β-Mercapt–thanol	Invitrogen	21985023	
Albumax	Invitrogen	11020021	
Ascorbic acid	Sigma-Aldrich	A4403	
Human transferrin	Sigma-Aldrich	T8158	
Human bFGF	PeptoTech Inc	AF-100-18B	
Human insulin	Invitrogen	12585014	
Human activin A	PeptoTech Inc	120-14E	
Human BDNF	PeptoTech Inc	AF-450-02	
Human VEGF	PeptoTech Inc	AF-100-20	
Human NT-3	PeptoTech Inc	450-03	
Heparin	Sigma-Aldrich	H5284	
N-2 supplement (100X)	Invitrogen	17502048	
6-well ultralow attachment plate	Corning	3471	
6-well plate	Corning	3516	