

Materials List for:

Generation of Neurospheres from Mixed Primary Hippocampal and Cortical Neurons Isolated from E14-E16 Sprague Dawley Rat Embryo

Gaurav Das^{1,2}, Varsha Gupta¹, Juhee Khan¹, Deepshikha Mukherjee¹, Surajit Ghosh^{1,2}

¹Organic and Medicinal Chemistry Division, CSIR-Indian Institute of Chemical Biology

²Academy of Scientific and Innovative Research (AcSIR)

Correspondence to: Surajit Ghosh at sghosh@iicb.res.in

URL: <https://www.jove.com/video/59800>

DOI: [doi:10.3791/59800](https://doi.org/10.3791/59800)

Materials

Name	Company	Catalog Number	Comments
Anti-GFAP	Abcam	AB7260	
Anti- Nestin	Abcam	AB92391	
Anti-O4	Millipore	MAB345	
Anti-Tau	Abcam	AB76128	
Anti-Tuj1	Millipore	MAB1637	
B27 Serum Free Supplement	Gibco	17504-044	
Cell Counter	Life technologies	Countess II FL	
CO2 Incubator	Eppendorf	Galaxy 170 R	
D-glucose	SDFCL	38450-K05	
Ethanol	Merck Millipore	100983	
Fluorescence Microscope	Olympus	IX83 Model	
Formaldehyde	Sigma Aldrich	47608	
GlutaMax-I Supplement	Gibco	35050-061	
GtXMs IgG Fluor	Millipore	AP1814	
GtXMs IgG (H+L)	Millipore	AP124C	
HEPES	SRL	16826	
Hoechst 33258	Calbiochem	382061	
Horse Serum	HiMedia	RM10674	
Hydrochloric Acid	Rankem	H0100	
Laminar Hood	BioBase	BBS-V1800	
MEM Eagle's with Earle's BSS	Sigma Aldrich	M-2279	
Microscope	Dewinter	Victory Model	
Neurobasal Medium	Gibco	21103-049	
Plasticware (24 well plate, cell strainers, and low adherence plates)	BD Falcon	353047, 352350 and 3471	
90 mm Petridishes	Himedia	PW001	
Penicillin/Streptomycin	Gibco	15140-122	
Poly-D-Lysine	Millipore	A.003.E	
Potassium Chloride	Fisher Scientific	BP366-500	
Potassium Phosphate Monobasic	Merck	MI6M562401	
Sodium Chloride	Qualigem	15918	
Sodium Phosphate Dibasic	Merck	MI6M562328	
Stereomicroscope	Dewinter	Zoomstar Model	

Triton-X 100	SRL	2020130	
Trypan Blue Solution	Gibco	15250-061	
0.25 % Trypsin-EDTA	Gibco	25200-072	