

Materials List for:

Differentiation of the SH-SY5Y Human Neuroblastoma Cell Line

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URL: <https://www.jove.com/video/53193>

DOI: [doi:10.3791/53193](https://doi.org/10.3791/53193)

Materials

Name	Company	Catalog Number	Comments
B-27	ThermoFisher Scientific	17504-044	See Table 1 for preparation
Brain-Derived Neurotrophic Factor (BDNF)	Sigma	SRP3014 (10 µg)/B3795 (5 µg)	See Table 1 for preparation
dibutyl cAMP (db-cAMP)	Sigma	D0627	See Table 1 for preparation
DMSO	ATCC	4-X	-
Minimum Essential Medium Eagle (EMEM)	Sigma	M5650	-
Fetal Bovine Serum (FBS)	Hyclone	SH30071.03	See Table 1 for preparation
GlutamaxI	Life Technologies	35050-061	-
Glutamine	Hyclone	SH30034.01	-
Potassium Chloride (KCl)	Fisher Scientific	BP366-1	See Table 1 for preparation
MaxGel Extracellular Matrix (ECM) solution	Sigma	E0282	See step 11 of the protocol
Neurobasal	Life Technologies	21103-049	-
Penicillin/Streptomycin (Pen/Strep)	Life Technologies	15140-122	-
Retinoic acid (RA)	Sigma	R2625	Should be stored in the dark at 4 °C because this reagent is light sensitive
SH-SY5Y Cells	ATCC	CRL-2266	-
0.5% Trypsin + EDTA	Life Technologies	15400-054	-
Falcon 35 mm TC dishes	Falcon (A Corning Brand)	353001	-