

Materials List for:

# Cultivation of Human Neural Progenitor Cells in a 3-dimensional Self-assembling Peptide Hydrogel

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URL: <https://www.jove.com/video/3830>

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## Materials

Name	Company	Catalog Number	Comments
PuraMatrix peptide hydrogel	BD Biosciences	354250	
Mouse laminin I	Cultrex	400-2009090	
Sucrose	Sigma-Aldrich	S9378-1KG	
Normal goat serum	Dako	X0907	
Triton X 100	Carl Roth GmbH	3051.3	
PBS Dulbecco	Biochrom AG	L 1825	
HBSS	GIBCO, by Life Technologies	14170-088	Hanks' Balanced Salt Solution 1X
βIII-tubulin antibody	Santa Cruz Biotechnology, Inc.	Sc-51670	Mouse, monoclonal, 1:500
Alexa Fluor 488	Invitrogen	A 11029	Goat α mouse, 1:1000
Alexa Fluor 568	Invitrogen	A 11031	Goat α mouse, 1:1000
Alexa Fluor 647	Invitrogen	A 21235	Goat α mouse, 1:1000
Mowiol 4-88 Reagent	Calbiochem	475904	
Dabco	Aldrich	D2,780-2	1,4-Diazabicyclo[2.2.2]octane 98%
Cell strainer	BD Biosciences	352350	70 μm pore size
Saponin	Merck & Co., Inc.	7695	
Trypsin/ EDTA	GIBCO, by Life Technologies	25300-054	
Benzonase 250 U/μl	Merck & Co., Inc.	1.01654.0001	
Trypsin Inhibitor	Sigma-Aldrich	T6522 (500 mg)	
20% HSA	Octapharma	Human-Albumin Kabi 20%	