Materials List for:

Cryopreservation of Cortical Tissue Blocks for the Generation of Highly Enriched Neuronal Cultures

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URL: http://www.jove.com/video/2384/

Materials

Name	Company	Catalog Number	Comments
Dulbecco's Modified Eagle Medium (DMEM)	Invitrogen	11995-073	High gluclose 1X
Bovine calf serum supplemented	Hyclone	SH30072.03	For culture medium
Neurobasal-A Medium (1X), liquid	Invitrogen	1088-022	
B27 Supplement	Invitrogen	17504-044	Supplement for Neurobasal medium
N2 Supplement	Invitrogen	17502-048	Supplement for Neurobasal medium
Trypsin (10X)	Cellgro	25-054CI	Tissue dissociation
Deoxyribonuclease 1 from bovine pancreas (DNase)	Sigma-Aldrich	D4527-30KU	Tissue dissociation
Hanks Balanced Salt Solution (HBSS) (10X)	GIBCO, by Life Technologies	14065	Cleaning tissue, washes, and freezing medium
Poly-L-Lysine- 500mg	Invitrogen	P2636	Substrate for adhesion of neuronal cells
antibiotic-antimycotic (100X), liquid	Invitrogen	15240-062	To prevent contamination
Large orifice pipette Tips (1-200 ul)	Fisher Scientific	02-681-141	To prevent shear stress to cells
Graduated pipette tips (101-1000 ul)	USA Scientific, Inc.	1111-2721	
21 G1 precision guide needles	BD Biosciences	305165	To clean tissue
10 ml pipette	USA Scientific, Inc.	1071-0810	Individually wrapped
50 ml tubes	USA Scientific, Inc.	926-9-04	
Single edge razor blade	Smith & Nephew Inc.	67-0238	To chop tissue
60 x 15 mm polystyrene petri dish	USA Scientific, Inc.	8609-0160	For general culture
100 x 15 mm polystyrene petri dish	USA Scientific, Inc.	8609-0010	For cleaning tissue
Cryogenic box	Nalge Nunc international	5026-1010	
Freezing container	Nalge Nunc international	5100-0001	"Mr. Frosty"
2.0 ml cryogenic vials	Nalge Nunc international	5012-0020	
DMSO	Fisher Scientific	D128-500	For freezing medium
Ethanol 200 proof	Sigma-Aldrich	E7023	For sterilizing razor blade

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