

Materials List for:

Preparation and Immunostaining of Myelinating Organotypic Cerebellar Slice Cultures

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Materials

Name	Company	Catalog Number	Comments
BME medium	ThermoFisher Scientific	41010026	
Hank's Balanced Salt Solution (10X HBSS)	ThermoFisher Scientific	14180046	
GlutaMAX (100X)	ThermoFisher Scientific	35050038	
Heat-inactivated Horse Serum	ThermoFisher Scientific	26050088	
Penicillin–Streptomycin (10.000 IU/mL)	ThermoFisher Scientific	15140122	
Gey's Balanced Salt Solution	Sigma Aldrich	G9779-500ML	
D-Glucose Solution (45%)	Sigma Aldrich	G8769-100ML	
Lysophosphatidylcholine (LPC)	Sigma Aldrich	L4129-100MG	
Paraformaldehyde (PFA)	Electron Microscopy Sciences	15714	
Absolute ethanol (100% ethanol)	VWR Chemicals	20821.330	Cooled at -20°C
Triton® X-100	Sigma Aldrich	X100-500ML	
10% Normal Goat Serum (NGS)	ThermoFisher Scientific	500622	
Phosphate Buffer Solution	EuroMEDEX	ET330-A	pH 7.4
Anti-GFP Antibody (Polyclonal, Chicken)	Merck Millipore	06-896	Dilution 1/300
Anti-Myelin Basic Protein (MBP) Antibody (Polyclonal, Chicken)	Merck Millipore	AB9348	Dilution 1/150
Anti-Myelin Basic Protein (MBP) Antibody (Monoclonal, Mouse IgG2b)	Merck Millipore	NE1019	Dilution 1/200
Anti-PLP Antibody (Rat, Hybridoma)	Gift from Dr. K. Ikenaka; Okasaki, Japan		Dilution 1/5 to 1/10
Anti-Sodium Channel, Pan Antibody (Monoclonal, Mouse IgG1, clone K58/35)	Sigma Aldrich	S8809	Dilution 1/150
Anti-Caspr Antibody (Polyclonal, Rabbit)	Abcam	ab34151	Dilution 1/500
Goat Secondary Antibodies conjugated to Alexa Fluor 488, 594, 647 or 405	ThermoFisher Scientific		Dilution 1/500
Fluoromount	SouthernBiotech	0100-20	
Tissue chopper	Mcllwain		
Razor blades			
Large scissors	F.S.T	14101-14	
Small scissors	F.S.T	91500-09	
Fine-straight forceps	F.S.T	91150-20	

Curved-fine forceps	F.S.T	11297-00	
Cell culture dishes (60-mm and 100-mm)	TPP		
4-, 6-well culture plates	TPP		
Millicell culture inserts (0,4 µm, 30-mm diameter)	Merck Millipore	PICM0RG50	
Cell culture incubator			37°C, 5% CO ₂
Fine-end pipette tips	Dutscher	134000CL	
Wide-bore pipette tips	ThermoFisher Scientific	2079G	
Sterile syringe	Terumo Europe		20 or 50 mL
Sterile syringe filters	Terumo Europe		0.22 µm
Scalpel	Swann-Morton	0510	
Brush			
Microscope slides	RS France		76 x 26 x 1.1 mm
Glass coverslips	RS France		22 x 22 mm
Kimtech Sciences Tissue Wipers	Kimberly-Clark Professional	5511	
Binocular microscope			