

Materials List for:

Organotypic Slice Cultures for Studies of Postnatal Neurogenesis

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Materials

Name	Company	Catalog Number	Comments
5-chloro-2'-deoxyuridine (CldU)	MP Biomedicals	105478	Hazardous, Carcinogenic
Cell culture inserts, 30 mm diameter, 0.4 µm pore size	Thermo scientific	140660	Nuclon delta coating on these inserts provides better tissue adhesion and improves slice quality.
Conical Centrifuge tubes (sterile)	Fisher Scientific	14-432-22	
Dissector scissors (angled to side)	Fine Science Tools	14082-09	
Minimum essential medium (MEM)	Gibco	11095; liquid	Store at 4 °C
Eclipse Ni-U fluorescent microscope	Nikon		
Glue for tissue	Krazy Glue	KG585	Use minimum amount of glue to achieve adhesion as any tissue exposed to glue will be unusable for IHC.
Hank's Balanced Salt Solution (HBSS) (500 ml)	Gibco	14025-092	Store at 4 °C
Horse Serum Heat Inactivated (500 ml)	Gibco	16050-122	Make 50 ml aliquots and store at -20 °C
Kimwipes	Kimberly-Clarke	TW 31KYPBX	
Modified glass pipettes (bottom of Pasteur pipette removed and edge smoothed with Bunsen flame)			
Petri Dish (100 mm x 15 mm) and (60 mm x 15 mm)	Fisher Brand	FB0875712 and FB0875713A	
Scalpel blades #11	Fine Science Tools	10011-00	
Scalpel handle #3	Fine Science Tools	10003-12	
Serological Pipettes	Sorfa Medical Plastic Co.	P8050	
Standard Pattern forceps	Fine Science Tools	11000-12	
Sterile vacuum filter	Thermo-Scientific	565-0020	
Surgical Scissors	Fine Science Tools	14054-13	
Syringe driven filter unit	Millipore-Millex	SLGP033RS	
Tissue chopper with moveable stage	Stoelting	51425	
Fine tip paintbrush			