

Materials List for

Retinal Explant of the Adult Mouse Retina as an *Ex Vivo* Model for Studying Retinal Neurovascular Diseases

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jove.com/video/63966

Materials

Name	Company	Catalog Number	Comments
Adult C57Bl/6J mice	The Jackson Laboratory, Bar Harbor, ME, 04609, USA	664	
All-in-One Fluorescence Microscope	KEYENCE CORPORATION OF AMERICA, IL, 60143, U.S.A.	BZ-X800	
B27 supplements	Thermo scientific. Waltham, MA, 02451, USA	Gibco #17504-04	
Blockade blocking solution	Thermo scientific. Waltham, MA, 02451, USA	B10710	
DMEM F12	Thermo scientific. Waltham, MA, 02451, USA	Gibco #11320033	
Goat anti-Rabbit IgG.	Thermo scientific. Waltham, MA, 02451, USA	F-2765	
GSL I, BSL I (Isolectin)	Vector Laboratories. Burlingame, CA 94010, USA	B-1105-2	
Hanks Ballanced Salt Solution (HBSS)	Thermo scientific. Waltham, MA, 02451, USA	Gibco #14175095	
Micro Scissors, 12 cm, Diamond Coated Blades	World Precision Instruments, FL 34240, USA	Straight (503365)	
N2 supplements	Thermo scientific. Waltham, MA, 02451, USA	Gibco #17502-048	
Nunc Polycarbonate Cell Culture Inserts in Multi-Well Plates	Thermo scientific. Waltham, MA, 02451, USA	140652	
Paraformaldehyde 4% in PBS	BBP, Ashland, MA, 01721 USA	C25N107	
Penicillin-Streptomycin (10,000 U/ mL)	Thermo scientific. Waltham, MA, 02451, USA	15140148	
PROLONG DIAMOND ANTIFADE 4',6-diamidino-2-phenylindole (DAPI).	Thermo scientific. Waltham, MA, 02451, USA	P36962	
Rabbit Anti-NeuN Antibody	Abcam., Cambridge, UK	ab177487	
Rabbit Glial Fibrillary Acidic Protein (GFAP) Antibody	Dako, Carpinteria, CA 93013, USA.	Z0334	
Texas Red	Vector Laboratories. Burlingame, CA 94010, USA	SA-5006-1	

TritonX	BioRad Hercules, CA, 94547,USA	1610407	
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