

Materials List for:

Enrichment of Bruch's Membrane from Human Donor Eyes

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Materials

Name	Company	Catalog Number	Comments
Auxillary objective 0.5X	GT-Vision Ltd	3638	Useful (but not essential) for lower magnification imaging of whole eye flat-mount
Biopsy Punch 6 mm	Oncall Medical Supplies	SCH-33-36	6mm Biopsy Punches
Bovine serum albumin	Sigma - Aldrich	A3059	
Bromophenol Blue	Sigma - Aldrich	B0126	
Cell scrapers	Sarstedt	83.183	For membrane enrichment
CyroPure Cyrovials	Sarstedt	72.38	
Disposable Scalpels	Fisher Scientific	12387999	Sterile, individually wrapped Swann-Morton scalpels.
Dual Gooseneck LED spot lights on 30 cm arms	GT-Vision Ltd	0153	Flexible light source essential for dissection and imaging
Dulbecco's Phosphate Buffered Saline	Sigma - Aldrich	D8537	Used to prevent macula drying out and during membrane enrichment.
(A) Forceps	Scientific Laboratory Supplies	INS4280	(A) Fine (100 mm) and straight
(B) Forceps	Scientific Laboratory Supplies	INS4272	(B) Broad and blunt (150 mm). Useful for lifting large portions of sample
(C) Forceps	Scientific Laboratory Supplies	INS4323	(C) Straight fine points
Glycerol	Sigma - Aldrich	G1345	
Glycine	Sigma - Aldrich	B0126	
GXCAM 5 digital colour camera & GT-Vision software	GT-Vision Ltd	1122	
Methanol	Sigma - Aldrich	M/4000/17	
Nitrocellulose membrane	Life Technologies	NP0007	
NuPAGE Novex 4 - 12% Bis-Tris Protein Gels	Life Technologies	NP0322BOX	
Petri dish	Sterilin	101VR20	90 mm, used as a dish for samples
Protein isolation beads (Strataclean resin)	Agilent	400714-61	
SDS	Bio-Rad	161-0301	
Stereozoom microscope GXMXTL3T (magnification range 7X - 45X)	GT-Vision Ltd	5595	Stereozoom microscope attached to boom stand for ease of use during dissection
Tris-HCl	Sigma - Aldrich	T3253	