

Materials List for:

Primary Cell Cultures from the Mouse Retinal Pigment Epithelium

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URL: <https://www.jove.com/video/56997>

DOI: [doi:10.3791/56997](https://doi.org/10.3791/56997)

Materials

Name	Company	Catalog Number	Comments
animals			
2~3-week old wildtype mice			
Name	Company	Catalog Number	Comments
reagents			
Dulbecco's Modified Eagle's Medium (DMEM), high glucose	GIBCO	11965092	
Dispase II	Sigma	D4693	
Fetal Bovine Serum (FBS)	Sigma	F4135	
Penicillin-Streptomycin (10,000 U/mL)	GIBCO	15140122	
MEM Non-Essential Amino Acids Solution (100X)	GIBCO	11140050	
Phosphate-buffered saline (PBS), 1X, pH 7.4	GIBCO	10010023	
HEPES	Cellgro	61-034	
KOH	Sigma-Aldrich	1310-58-3	
NaCl	Ambion	AM9759	
L-Glutamine (200 mM)	GIBCO	25030-081	
Ethyl Alcohol	Fisher Scientific	111000200	
RPE65 antibody	A gift from Dr. Michael Redmond		
Fluorescein Phalloidin	Invitrogen	F432	
Goat anti-Rabbit IgG (H+L), Alexa Flour 568	Invitrogen	A11011	
Goat serum	Sigma-Aldrich	G9023	
DAPI	Invitrogen	D1306	
Paraformaldehyde (PFA)	Polysciences, Inc	00380	
ZO-1 Polyclonal Antibody	ThermoFisher Scientific	40-2200	
Name	Company	Catalog Number	Comments
instruments and equipments			
Laminar flow cabinet	Baker	SterilGARD SG403A	
Dissecting microscope (Zoom stereomicroscope)	Nikon	SMZ1500	
CO2 incubator with hot air sterilization	Binder	C150	
Centrifuge	Eppendorf	5702	
Petri dishes	Fisher Scientific	0875712	

12 mm Polyester Membrane Inserts Pre-Loaded in 12-Well Culture Plates, Pore Size: 0.4 µm, Sterile	Corning Incorporated	COR-3460	
Westcott tenotomy scissors, std blades, sharp	STEPHENS instruments	S7-1320	
Castroviejo suturing forceps 0.12mm	Stroz Ophthalmic Instruments	E1796	
Crescent straight knife	Beaver-Visitec International	373808	
Dumont Tweezers #5, 11 cm, Straight, 0.1x0.06 mm Tips, Dumostar	World Precision Instruments	500233	
Vannas Scissors, 8 cm, 45° Angle, Standard	World Precision Instruments	500260	
Millex-GS Syringe Filter Unit, 0.22 µm	Millipore	SLGL0250S	
Syringe, 5 mL	BD	309632	
Inverted Laboratory Microscope Leica DM IL LED	Leica		
Pipette	Gilson		
Barrier and non-filtered pipette tips	Thermo Scientific		