

Isolation of Primary Mouse Retinal Pigmented Epithelium Cells

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Materials

Name	Company	Catalog Number	Comments
Beaker : 100mL	KIMAX	14000	
Collagenase from Clostridium histolyticum	Sigma-Aldrich	C7657-25MG	For working enzyme, A
Disposable Graduated Transfer Pipettes :3.2mL Sterile		13-711-20	
DMEM/F12	gibco	11330	Media to grow RPE cells
Fetal Bovine Serum (FBS)	gibco	26140079	For complete RPE cell culture media
Gentamicin Reagent Solution	gibco	15750-060	For complete RPE cell culture media
Hanks' Balanced Salt Solution (HBSS)	Thermo Scientific	88284	For working enzymes (A&B)
Heracell VISO 160i CO2 Incubator	Thermo Scientific	50144906	
Hyaluronidase from bovine testes	Sigma-Aldrich	H3506-500MG	For working enzyme A
Kimwipes	Kimberly-Clark	34155	
Luer-Lok Syringe with attached needle 21 G x 1 1/2 in., sterile, single use, 3 mL	B-D	309577	
Micro Centrifuge Tube: 2 mL	Grainger	11L819	
Mouse monoclonal anti-RPE65 antibody	Abcam, Cambridge, MA, USA	ab78036	For IF staining
Pen Strep	gibco	15140-122	For complete RPE cell culture media
Positive Action Tweezers, Style 5/45	Dumont	72703-DZ	
Scissors Iris Standard Straight 11.5cm	GARANA INDUSTRIES	2595	
Sorvall St8 Centrifuge	ThermoScientific	75007200	
Stemi 305 Microscope	Zeiss	n/a	
Surgical Blade, #11, Stainless Steel	Bard-Parker	371211	
Suspension Culture Dish 60mm x 15mm Style	Corning	430589	
Tissue Culture Dish : 100x20mm style	Corning	353003	

Tornado Tubes: 15mL	Midsci	C15B	
Tornado Tubes: 50mL	Midsci	C50R	
Trypsin EDTA (1x) 0.25%	gibco	2186962	For working enzyme B
Tweezers 5MS, 8.2cm, Straight, 0.09x0.05mm Tips	Dumont	501764	
Tweezers Positive Action Style 5, Biological, Dumostar, Polished Finish, 110 mm OAL	Electron Microscopy Sciences Dumont	50-241-57	
Underpads, Moderate : 23" X 36"	McKesson	4033	
Vannas Spring Scissors - 2.5mm Cutting Edge	FST	15000-08	
Zeiss Axiolmager Z2	Zeiss	n/a	
Zeiss Zen Blue 2.6	Zeiss	n/a	