

Materials List for:

Establishment of a Clinically Relevant *Ex Vivo* Mock Cataract Surgery Model for Investigating Epithelial Wound Repair in a Native Microenvironment

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Materials

Name	Company	Catalog Number	Comments
Sodium Chloride (NaCl)	Fisher Scientific	S271-3	Use at 140 mM in TD Buffer
Potassium Chloride (KCl)	Fisher Scientific	P217-500	Use at 5 mM in TD Buffer
Sodium Phosphate (Na ₂ HPO ₄)	Sigma	S0876	Use at 0.7 mM in TD Buffer
D-glucose (Dextrose)	Fisher Scientific	D16-500	Use at 0.5 mM in TD Buffer
Tris Base	Fisher Scientific	BP152-1	Use at 8.25 mM in TD Buffer
Hydrochloric acid	Fisher Scientific	A144-500	Use to pH TD buffer to 7.4
Media 199	GIBCO	11150-059	
L-glutamine	Corning/CellGro	25-005-CI	Use at 1% in Media199
Penicillin/streptomycin	Corning/CellGro	30-002-CI	Use at 1% in Media199
100 mm petri dishes	Fisher Scientific	FB0875711Z	
Stericup Filter Unit	Millipore	SCGPU01RE	Use to filter sterilize Media
Dumont #5 forceps (need 2)	Fine Science Tools	11251-20	
35 mm Cell Culture Dish	Corning	430165	
27 G 1 ml SlipTip with precision glide needle	BD	309623	
Fine Scissors	Fine Science Tools	14058-11	
Standard Forceps	Fine Science Tools	91100-12	
Other Items Needed: General dissection instruments, fertile white leghorn chicken eggs, check egg incubator (humidified, 37.7°C), laminar flow hood, binocular stereovision dissecting microscope			