

Materials List for

Isolation of Retinal Pigment Epithelial Cells from Guinea Pig Eyes

So Goto^{1,2,3}, Michael Frost⁴, Christine Wildsoet¹

¹Herbert Wertheim School Optometry and Vision Science, University of California, Berkeley ²Department of Ophthalmology, Osaka University Graduate School of Medicine ³Department of Ophthalmology, Tokyo Medical Center, National Hospital Organization ⁴Department of Optometry and Vision Science, School of Optometry, University of Alabama at Birmingham

Corresponding Author

So Goto
sogoto@berkeley.edu

Citation

Goto, S., Frost, M., Wildsoet, C. Isolation of Retinal Pigment Epithelial Cells from Guinea Pig Eyes. *J. Vis. Exp.* (195), e64837, doi:10.3791/64837 (2023).

Date Published

May 9, 2023

DOI

10.3791/64837

URL

jove.com/video/64837

Materials

Name	Company	Catalog Number	Comments
1 mL Syringe with Slip Tip	Bd Vacutainer Labware Medical	22-253-260	
2-Mercaptoethanol	Invitrogen	21985-023	
6 Well Tissue Culture Plate with Lid, Flat Bottom, Sterile	pectrum Chemical Mfg. Corp	970-95008	
12 Well Tissue Culture Plate with Lid, Individual, Sterile	Thomas Scientific LLC	1198D72	
Agilent 2100 Bioanalyzer			automated electrophoresis to check RNA quality
Balanced Salt Solutions	Gibco	10010031	
Bonn Micro Forceps, Straight Smooth, 0.3 mm Tip, 7 cm	Fine Science Tools, Inc.	11083-07	
Dumont forceps no. 5	ROBOZ	RS-5045	
Hypodermic disposable needles	Exelint International, Co.	26419	
Hypodermic disposable needles	Exelint International, Co.	26437	
MiniSpin Microcentrifuges	Eppendorf	540108	Max. Speed: 8,000 g
RNAlater Stabilization Solution	Invitrogen	AM7020	tissue storage reagent
RNeasy Mini kits	Qiagen	74104	RNA isolation kit
Student Vannas Spring Scissors	Fine Science Tools, Inc.	91500-09	