

Materials List for

Modeling Cataract Surgery in Mice

Leah M. O'Neill¹, Yan Wang¹, Melinda K. Duncan¹

¹Department of Biological Sciences, University of Delaware

Corresponding Author

Melinda K. Duncan
duncanm@udel.edu

Citation

O'Neill, L.M., Wang, Y., Duncan, M.K. Modeling Cataract Surgery in Mice. *J. Vis. Exp.* (202), e66050, doi:10.3791/66050 (2023).

Date Published

December 1, 2023

DOI

10.3791/66050

URL

jove.com/video/66050

Materials

Name	Company	Catalog Number	Comments
0.5% Erythromycin ophthalmic ointment USP	Bausch Lomb	24208-910-55	
1% Atropine sulfate ophthalmic solution	Amneal	60219-1748-2	
1% Tropicamide ophthalmic solution USP	Akorn	17478-102-12	
10-0 Nylon suture	Ethicon	7707G	
2.5% Phenylephrine hydrochloride ophthalmic solution USP	Akorn	17478-200-12	
26 G 1/2 Needles - straight	BD PrecisionGlide	5111	
27 G 45° bent dispensing tip 1"	Harfington		
Balanced saline solution	Phoenix	57319-555-06	
Bupranorphine (0.1 mg/kg)	APP Pharmaceuticals	401730D	
Chlorhexidine solution			
Needle holder 2-110	Duckworth & Kent	2-110-3E	
Noyes scissors, straight	Fine Science Tools	12060-02	
SMZ800 Nikon model microscope	Nikon		
Sterile disposable scalpel No.11	Feather	2975#11	
Tweezers #5 Dumont	Electron Microscopy Sciences	72700-D	
Xylazine/Ketamine/Acepromazine (35 mg/kg, 80 mg/kg, 0.5 mg/kg) solution	APP Pharmaceuticals	401730D	