Materials List for

Investigating Scarless Tissue Regeneration in Embryonic Wounded Chick Corneas

Manish Pathuri[1], **James Spurlin III**[2], **Peter Lwigale**[2], **Tyler Schwend**[1]

[1]Department of Biology, Illinois Wesleyan University [2]Department of Biosciences, Rice University

Corresponding Author

Tyler Schwend
tschwend@iwu.edu

Citation

Pathuri, M., Spurlin III, J., Lwigale, P., Schwend, T. Investigating Scarless Tissue Regeneration in Embryonic Wounded Chick Corneas. *J. Vis. Exp.* (183), e63570, doi:10.3791/63570 (2022).

Date Published

May 2, 2022

DOI

10.3791/63570

URL

jove.com/video/63570

Materials

Name	Company	Catalog Number	Comments
18 G hypodermic needle	Fisher Scientific	14-826-5D	
30 degree angled microdissecting knife	Fine Science Tools	10056-12	
4′,6-diamidino-2-phenylindole (DAPI)	Molecular Probes	D1306	
5 mL syringe	Fisher Scientific	14-829-45	
Alexa Fluor labelled secondary antibodies	Molecular Probes		
Calcium chloride dihydrate ($CaCl_2$-H_20)	Sigma	C8106	
Chicken egg trays	GQF	O246	
Dissecting Forceps, Fine Tip, Serrated	VWR	82027-408	
Dissecting scissors, sharp tip	VWR	82027-578	
Iris 1 x 2 Teeth Tissue Forceps, Full Curved	VWR	100494-908	
Kimwipes	Sigma	Z188956	
Microdissecting Scissors	VWR	470315-228	
Mouse anti-fibronectin (IgG1)	Developmental Studies Hybridoma Bank	B3/D6	
Mouse anti-laminin (IgG1)	Developmental Studies Hybridoma Bank	3H11	
Mouse antineuron-specific β-tubulin (Tuj1, IgG2a)	Biolegend	801213	
Mouse anti-tenascin (IgG1)	Developmental Studies Hybridoma Bank	M1-B4	
Paraformaldehyde	Sigma	158127	
Penicillin/Streptomycin	Sigma	P4333	
Potassium chloride (KCl)	Sigma	P5405	
Sodium chloride (NaCl)	Fisher Scientific	BP358	
Sportsman 1502 egg incubator	GQF	1502	

Tear by hand packaging (1.88 inch width)	Scotch	n/a	