

Materials List for:

Immunohistochemical and Calcium Imaging Methods in Wholemount Rat Retina

Allison Sargoy¹, Steven Barnes^{1,2,3}, Nicholas C. Brecha^{1,2,4}, Luis Pérez De Sevilla Müller¹

¹Department of Neurobiology, University of California, Los Angeles

²Veterans Administration Greater Los Angeles Healthcare System

³Departments of Physiology & Biophysics and Ophthalmology & Visual Sciences, Dalhousie University

⁴Departments of Neurobiology and Medicine, Jules Stein Eye Institute, CURE-Digestive Diseases Research Center, David Geffen School of Medicine, University of California, Los Angeles

Correspondence to: Luis Pérez De Sevilla Müller at luisperez@mednet.ucla.edu

URL: <https://www.jove.com/video/51396>

DOI: [doi:10.3791/51396](https://doi.org/10.3791/51396)

Materials

Name	Company	Catalog Number	Comments
Straight scissors	WPI	14124-G	dissecting tools
Straight Forceps	WPI	501985	dissecting tools
curved iris scissors	WPI	504487	dissecting tools
Cellulose filter paper	Millipore	HABP04700	
Hibernate A	Invitrogen	A12475-01	Media
Vectashield	Vector	H-1000	Mounting Media for Fluorescence
Fluo-4 pentapotassium	Invitrogen	F-14200	
Isoflurane	Abbott Laboratories	05260-05	anesthesia
Microscope slide	Fisher Scientific	22-178-277	
Zeiss LSM 5 Pascal microscope	Zeiss		
Axioplan 40X (NA 0.8) objective lens	Zeiss		
Alexa Fluor 488 Goat Anti-Rabbit IgG (H+L) Antibody	Molecular Probes	A-11034	Secondary antibody
RPMS	ProSci, Poway, CA		A rabbit polyclonal antibody was generated against the N-terminus of the RPMS polypeptide (RPMS4-24), GGKAEKENTPSEANLQEEVVR, by a commercial vendor (ProSci, Poway, CA).