

Materials List for

Immunostaining of Whole-Mount Retinas with the CLARITY Tissue Clearing Method

Elizabeth J. Alessio¹, Dao-Qi Zhang¹

¹Eye Research Institute, Oakland University

Corresponding Author

Dao-Qi Zhang
zhang@oakland.edu

Citation

Alessio, E.J., Zhang, D.Q. Immunostaining of Whole-Mount Retinas with the CLARITY Tissue Clearing Method. *J. Vis. Exp.* (), e62178, doi:10.3791/62178 (2021).

Date Published

March 6, 2021

DOI

10.3791/62178

URL

jove.com/video/62178

Materials

Name	Company	Catalog Number	Comments
16% Paraformaldehyde	Electron Microscopy Sciences	15710	Fixative
Acrylamide	Fisher Biotech	BP170	Hydrogel monomer
Axio Imager.Z2	Zeiss		Fluorescence microscope
BSA	Fisher Scientific	BP1600	Blocking agent
Eclipse Ti	Nikon Instruments		Scanning confocal microscope
KCl	VWR	BDH0258	Buffer component
KH ₂ PO ₄	Sigma	P5655	Buffer component
Na ₂ HPO ₄	Sigma Aldrich	S9763	Buffer component
NaCl	Sigma Aldrich	S7653	Buffer component
NaH ₂ PO ₄	Sigma Aldrich	S0751	Buffer component
NaN ₃	Sigma Aldrich	S2002	Bacteriostatic preservative
NDS	Aurion	900.122	Blocking agent
NIS Elements AR	Nikon		Image analysis software
SDS	BioRad	1610301	Delipidation agent
Sorbitol	Sigma Aldrich	51876	Buffer component
Triton-X-100	Sigma	T8787	Surfactant
Tween-20	Fisher Scientific	BP337	Surfactant
VA-044	Wako Chemicals	011-19365	Thermal initiator