JUL 13, 2021

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.brzbm2p6

Protocol Citation: David Anderson, Jeffrey D. Messinger, Angela Kruse, Jamie Allen, Carrie Romer, Kevin Schey, Jeff Spraggins, Christine A. Curcio 2021. Fixation of Eyes at UAB. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.brzbm2p6>

MANUSCRIPT CITATION: Anderson DMG, Messinger JD, Patterson NH, Rivera ES, Kotnala A, Spraggins JM, Caprioli RM, Curcio CA, Schey KL. 2020. Lipid Landscape of the Human Retina and Supporting Tissues Revealed by High Resolution Imaging Mass Spectrometry. *bioRxiv:2020.2004.2008.029538*. Pang CE, Messinger JD, Zanzottera EC, Freund KB, Curcio CA. 2015. The Onion Sign in Neovascular Age-Related Macular Degeneration Represents Cholesterol Crystals. *Ophthalmology* 122:2316-2326..

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Protocol status: Working
 We use this protocol and it's working

Created: Jan 11, 2021

Last Modified: Apr 08, 2023

PROTOCOL integer ID:
 46169

Keywords: HuBMAP, BIOMIC, Vanderbilt, University of Alabama, Eye, Fixation

🌐 Fixation of Eyes at UAB

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ABSTRACT

The accession and fixation of whole human eye specimens at University of Alabama Birmingham.

MATERIALS

1. 18-mm trephine, Stratis Healthcare, #6718L
2. Curved Spring Scissors, Roboz Cat# RS-5681
3. 4% Paraformaldehyde

- 1 Whole eyes arrive from deceased human donors via Advancing Sight Network (Birmingham AL; formerly the Alabama Eye Bank) ≤6 hours death-to-preservation.
- 2 Fixation is performed on the globe with lens and iris in place by immersing in buffered 4% paraformaldehyde overnight.

- 2.1** The iris and lens were removed before imaging with OCT and scanning laser ophthalmoscopy (Anderson et al., 2020).
- 3** Initially the cornea is removed with a 2-mm-wide scleral rim boundry, a circular cut is scored with an 18-mm trephine (Stratis Healthcare, #6718L) and completed with curved spring scissors (Roboz Cat# RS-5681).
- 3.1** To facilitate preservative penetration, without disturbing the vitreous body and detaching the retina from RPE, the iris is slit with a small incision.