

Mar 13, 2020 Version 2

Slice Preparation and Blockface Imaging for Electrophysiology - Mouse V.2

DOI

dx.doi.org/10.17504/protocols.io.bdpqi5mw

Allen Institute for Brain Science¹

¹Allen Institute

BICCN / BICAN

Allen Institute for Brain S...



Dillan Brown

OPEN  ACCESS



DOI: dx.doi.org/10.17504/protocols.io.bdpqi5mw

Protocol Citation: Allen Institute for Brain Science 2020. Slice Preparation and Blockface Imaging for Electrophysiology - Mouse. protocols.io <https://dx.doi.org/10.17504/protocols.io.bdpqi5mw>

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working

Created: March 13, 2020

Last Modified: March 13, 2020

Protocol Integer ID: 34256

Abstract

This protocol describes the procedure for transcardial perfusion of an adult mouse, followed by dissection, embedding, slicing, and blockface imaging of the mouse brain using either a Leica vibratome or a compresstome. The output tissue is suitable for use in electrophysiological recordings and/or live cell filling applications.

Note: Research reported in this publication was supported by the National Institute Of Mental Health of the National Institutes of Health under Award Number U19MH114830. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health.

Attachments



[AF0099_Slice_Prepara...](#)

1.8MB

