VERSION 4

APR 13, 2020

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.be2gjgbw

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.be2gjgbw>

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: Apr 13, 2020

Last Modified: Mar 16, 2021

PROTOCOL integer ID:
 35624

Slice Preparation and Blockface Imaging for Electrophysiology - Mouse V.4

Allen Institute for Brain Science¹

¹Allen Institute

BICCN

Allen Institute for Brain Science

Allen Institute

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

[557766_Pump_66,67_Manual.pdf](#)
[LAAS Manual.pdf](#)
[leica VT1200S.pdf](#)
[Compresstome-VF-300-0Z-User-Manual-Edited-8-14.pdf](#)
[AF0099_Slice_Preparation_and_Blockface_Imaging_for_Electrophysiology_Mouse.docx](#)

Keywords: AF0099,
blockface, imaging, slice,
preparation, mouse