



# Slice Preparation with Tissue Dissociation - Mouse Protocol V.2

Allen Institute for Brain Science<sup>1</sup>

<sup>1</sup>Allen Institute

Version 2 ▾

Jan 05, 2021

1

Works for me

[dx.doi.org/10.17504/protocols.io.bq6wmzfe](https://dx.doi.org/10.17504/protocols.io.bq6wmzfe)

BICCN

Allen Institute for Brain Science

Dillan Brown

## ABSTRACT

This protocol describes the procedure for transcardial perfusion of an adult mouse, followed by brain dissection, embedding, slicing, blockface imaging, ROI microdissection, and tissue dissociation. The output of this protocol is a cell suspension that can be sorted via FACS for single-cell transcriptional profiling.

**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

[AF0100\\_Slice\\_Preparation  
\\_with\\_Tissue\\_Dissociation  
\\_Mouse.docx](#)

[557766\\_Pump\\_66,67\\_Ma  
nual.pdf](#)

[Compresstome-VF-300-  
0Z-User-Manual-Edited-8-  
14.pdf](#)

[LAAS Manual.pdf](#)

## DOI

[dx.doi.org/10.17504/protocols.io.bq6wmzfe](https://dx.doi.org/10.17504/protocols.io.bq6wmzfe)

## PROTOCOL CITATION

Allen Institute for Brain Science 2021. Slice Preparation with Tissue Dissociation - Mouse Protocol.  
**protocols.io**  
<https://dx.doi.org/10.17504/protocols.io.bq6wmzfe>  
Version created by Dillan Brown

## KEYWORDS

Slice preparation, tissue dissociation, mouse

## 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

## CREATED

Jan 05, 2021

## LAST MODIFIED

Jan 05, 2021

## PROTOCOL INTEGER ID

46006

#### ATTACHMENTS

<a href="#">AF0100_Slice_Preparation _with_Tissue_Dissociation _Mouse.docx</a>	<a href="#">557766_Pump_66,67_Ma nual.pdf</a>	<a href="#">Compresstome-VF-300- 0Z-User-Manual-Edited-8- 14.pdf</a>	<a href="#">LAAS Manual.pdf</a>
--	---	--	---------------------------------