



Sep 07, 2024

Version 1

Isolation of Nuclei from Brain Tissue Using Gradient Centrifugation for Myelin Depletion for 10x Genomics Platform V.1

DOI

<https://dx.doi.org/10.17504/protocols.io.5qpvok1exl4o/v1>

Allen Institute¹

¹Allen Institute

Allen Institute for Brain Science

Tech. support

[Click here to message tech. support](#)



Allen Institute

Allen Institute

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.5qpvok1exl4o/v1>

Protocol Citation: Allen Institute 2024. Isolation of Nuclei from Brain Tissue Using Gradient Centrifugation for Myelin Depletion for 10x Genomics Platform. [protocols.io](https://dx.doi.org/10.17504/protocols.io.5qpvok1exl4o/v1) <https://dx.doi.org/10.17504/protocols.io.5qpvok1exl4o/v1>

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: September 07, 2024

Last Modified: September 07, 2024

Protocol Integer ID: 107088

Keywords: 10X Genomics, snRNAseq, Multiome, microdissected brain tissue sections for rna, gradient centrifugation for myelin depletion, frozen brain tissue, microdissected brain tissue section, myelin depletion, brain tissue, isolation of nuclei, 10x genomic, rna, 10x genomics platform protocol, nuclei

Abstract

Protocol is used for isolation of nuclei from frozen brain tissue or thawed and microdissected brain tissue sections for RNA-seq analysis.

Note: Research reported in this publication was supported by the National Institute Of Mental Health of the National Institutes of Health under Award Number UM1MH130981. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health

Attachments



[PF0357_Isolation_of](#)

737KB

