



AUG 11, 2023

OPEN ACCESS



DOI:
dx.doi.org/10.17504/protocols.io.bp2l69qxrqlqe/v1

Protocol Citation: 10x Genomics, Laura J Niedernhofer, David A Bernlohr 2023. 10x Protocols: Visium Fresh Frozen Tissue Optimization -- University of Minnesota TMCs (CG000238 Rev E). **protocols.io** <https://dx.doi.org/10.17504/protocols.io.bp2l69qxrqlqe/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

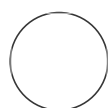
🌐 10x Protocols: Visium Fresh Frozen Tissue Optimization -- University of Minnesota TMCs (CG000238 Rev E)

10x Genomics¹, Laura J Niedernhofer², David A Bernlohr²

¹10x Genomics, info@10xgenomics.com;

²University of Minnesota, Minneapolis, MN USA

Cellular Senescence Network (SenNet) Method Development Community



Mickayla DuFresne-To

University of Minnesota - Twin Cities

ABSTRACT

Protocols from 10x Genomics for Visium Spatial Gene Expression on Fresh Frozen / OCT samples. Completed without CytAssist component.

1. Version of protocol used:

10x protocol CG000238, **Revision E** -- Tissue optimization required prior to taking tissue through Visium

2. Additional protocols added for guidance:

10x protocol for imaging guidelines (CG000241, Rev D)

10x protocol for tissue preparation guidelines (CG000240, Rev D)

Please note that these protocols may not be the current version offered by 10x Genomics but were used to produce the specific datasets connected to them.


Created: May 03, 2023

Last Modified: Aug 11, 2023

PROTOCOL integer ID:
81372


Keywords: 10x Genomics,
Visium, Fresh Frozen, OCT,
UMN, UMinnesota, University
of Minnesota, Spatial,
Human, Niedernhofer


1 10x protocol CG000238, Revision E (Tissue Optimization):

 10x FF Visium Spatial Tissue
Optimization.pdf

For adipose: Determined Tissue permeabilization time = 15 minutes

2 Additional protocols/guidelines

 10x FF Visium Imaging Guidelines .pdf CG000241, Rev D

 10x FF Visium Spatial Tissue Preparation Guide.pdf CG000240, Rev D

<https://www.10xgenomics.com/support/spatial-gene-expression-fresh-frozen>