

10X Genomics – Visium Sample Submission Form

Tulane University - School of Medicine
COBRE in Aging & Regenerative Medicine
Spatial Multiomics Core

Date:

Project title:

Principal investigator (first and last name):

PI's Email Address:

Contact Person's Name and Email Address:

Billing contact name:

Street Address 1:

Street Address 2:

City, State, Zip Code:

Phone Number:

Project Summary

Sample Species (e.g, Human,Mouse,etc.,)

No. of samples:

Are samples part of an of Institutional Biosafety Committee "IBC" application

Please provide more Information about tissue type,region of interest (ROI), plane of section,sample preparation,etc., (~200 words):

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Requested Service(s) - check all that apply

Consult Meeting

Services Requested

Visium

Visium for FFPE

10X Protocol Requested

Tissue Optimization Slide

Expression Slide

Full service – Investigator provides frozen tissue prepared according to 10X Genomics protocol Tissue Preparation Guide (#CG000240). <https://support.10xgenomics.com/spatial-gene-expression/index/doc/demonstrated-protocol-visium-spatial-protocols-tissue-preparation-guide>. Our core will handle the following :

- OCT Embedding
- Cryostat sectioning, mounting and staining
- RNA Isolation and QC of RNA Integrity with Agilent Bioanalyzer
- Slide optimization
- Gene expression slide and cDNA prep

Self-service: Investigator provides frozen tissue **blocks** prepared according to 10X Genomics protocol Tissue Preparation Guide (#CG000240). <https://support.10xgenomics.com/spatial-gene-expression/index/doc/demonstrated-protocol-visium-spatial-protocols-tissue-preparation-guide>. Our core will handle the following :

- Cryostat sectioning, mounting and staining
- RNA Isolation and QC of RNA Integrity with Agilent Bioanalyzer
- Slide optimization
- Gene expression slide and cDNA prep

Request Genomics Core services - Please Contact ! mawoal@tulane.edu.

Request Bio-informatics Core services - Please Contact ! mhasan1@tulane.edu.

Addendum:

1- I, hereby acknowledge that my sample tissue blocks will be held by the Spatial Multiomics Core for 1week following the bioinformatics analysis; Unless tissue blocks are requested to be held for an extended period of time.

2- By contracting for the services requested, the investigator will acknowledge the services of the Tulane Center for Aging Genomics, Bioinformatics, and Spatial Multiomics Core in all publications and presentations using data derived from these services and the support of the NIH grant P30GM145495. The investigator will provide this core with full citations for these publications and presentations, as well as for any grant applications submitted, both awarded and not awarded. The acknowledgment will read: "Services were provided by the Tulane Center for Aging Genomics, Bioinformatics, and Spatial Multiomics Core supported by NIH grant P30GM145498."