



Sample Request Form for Visium Spatial Sequencing

Contact Information

Principal Investigator: Click or tap here to enter text. **Date:** Click or tap to enter a date.

Requestor Name: Click or tap here to enter text.

Requestor email: Click or tap here to enter text. **Requestor Phone:** Click or tap here to enter text.

Sample Form

Sample Type: Fresh Frozen FFPE Tissue

No of cDNA Samples: **Species:** **Tissue:**

- Please provide cDNA bioanalyzer traces selecting the region of 200 – 9000 bp

Slide information: Please fill in the following table.

- Visium slide serial number and corresponding capture areas (e.g.V12A25-350-A1) (Please share .tif and fiduciary aligned images in the Box)
- No. of spots for each capture area by Loupe browser. The whole areas of the tissue mounted over slide including region of interest (ROI) needs to be within the capture area and detected by Loupe browser. N.B. To achieve 10X genomics recommended minimum 50K read pairs per spot from one P3 Illumina sequencing reagents kit for 8 capture areas, the maximum coverage should not cross 60% or 3000 spots per capture area.
- Sequencing Depth Requirements (e.g.,10X recommends minimum 50M read pairs for Fresh Frozen and 25M for FFPE from each capture area). Sequencing depth can be same for all samples, or it is also possible to provide different read output for different samples, if needed.

Slide serial number & capture areas	No. of spots	Sequencing Depth in millions (M)

N.B. Following Sequencing Reagents kits are available-

Sequencing Reagents kits	Read pairs in millions (M)
P1 (100 cycles)	100
P2 (100 cycles)	400
P3 (100 cycles)	1200

For more details about fresh frozen samples, please refer to the sequencing section of CG000239_Visium Spatial Gene Expression User Guide_Rev F. https://cdn.10xgenomics.com/image/upload/v1660261286/support-documents/CG000239_Visium_Spatial_Gene_Expression_User_Guide_Rev_F.pdf