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U54 SCENT 10X Genomics Visium Protocol

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Protocol status: Working

We use this protocol and it's working

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Abstract

This document outlines the 10X Genomics Visium Protocol used for normal lung and colon tissues for SCENT at Duke University.



10X Genomics Visium Protocol

- 1 Once slides received, the following 10x Genomics protocol is followed:

https://cdn.10xgenomics.com/image/upload/v1660261285/support-documents/CG000409_Demonstrated_Protocol_VisiumSpatialFFPE_Deparaffin_H_E_RevC.pdf

https://cdn.10xgenomics.com/image/upload/v1660261285/support-documents/CG000407_VisiumSpatialGeneExpressionforFFPE_UserGuide_RevD.pdf
- 2 10x Genomics kit is used – Visium (v1) Spatial for FFPE Gene Expression Kit, Human Transcriptome.
- 3 Libraries sequenced on Illumina sequencers to a read depth of a least 25k reads/spot, with read lengths of 28×10×10×50.