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10x Genomics Xenium for FFPE User Guides

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ABSTRACT

Xenium allows for in situ transcript detection of selected probe set of RNA targets revealing spatially resolved expression patterns at nearly single-cell resolution.

OPEN ACCESS



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Protocol status: Working

We use this protocol and it's working

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Tissue processing and QC

- 1 Determine suitable samples of interest by performing a test described in CG000578, sectioning guidelines described in Step 1 pgs. 18-25 and H&E staining in Appendix pgs. 38-45

 CG000578_Demonstrated_Protocol_Xen... 8.3MB

- 2 Evaluate section and staining quality, only choose samples or regions free of detachment or artifacts

Xenium slide preparation

- 3 Utilize CG000578 for section placement on Xenium slides, follow Step 3, pgs. 29-33

- 4 After drying slide overnight or up to 4 weeks, proceed with deparaffinization and decrosslinking steps found in CG000580

 CG000580_Demonstrated_Protocol_Xen... 7MB

- 5 Immediately following decrosslinking start to prepare probes of interest as outlined in CG000582

 CG000582_XeniumInSitu_GeneExpressi... 7.8MB

Initiate probe hybridization overnight, continue with the protocol the next day

Xenium analyzer

- 6 Prepare Xenium instrument as outlined in CG000584

 CG000584_Xenium_Analyzer_UserGui... 13.3MB

7 Load slides and initiate sample scan