

Xenium Sample Preparation Workflow

CF Pathology

Sample preparation:

Sectioning

Fresh Frozen -> fixation and permeabilization

FFPE -> deparaffinization and decrosslinking

Tissue preparation



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CF Genomics

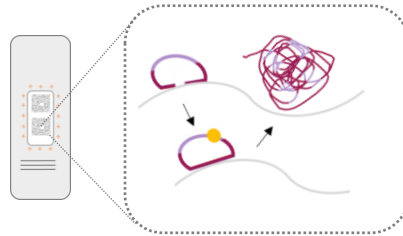
Assay Workflow:

Targeted barcoding and rolling circle product (RCP) generation

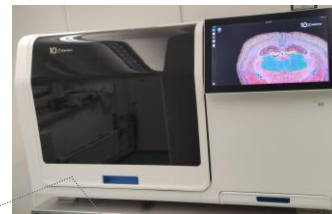
On-Instrument:

Operation/Analysis RCP readout and data processing

RCP



Xenium on board analysis



Imaging Decoding Segmentation Cell assignment Clustering



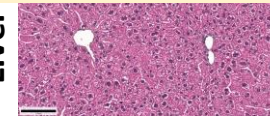
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CF Pathology

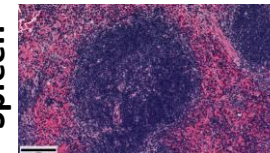
Post run:

Hematoxylin and Eosin images

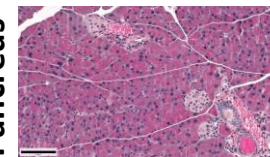
Liver



Spleen



Pancreas



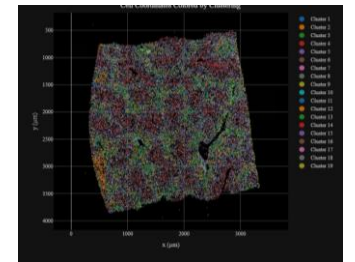
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Users/Bioinformatics

Data Visualization:

Visualization of data on Xenium Explorer

Xenium on board analysis:
Cell clustering



Xenium Explorer output
Hpx gene in mouse liver FFPE sample

