

Product Profile Services

Spatial Transcriptomics Services

Overview

Indivumed Services offers the entire workflow for your Spatial Transcriptomics needs to overcome the lack of morphological information of gene expression data within bulk RNA analysis. We implemented the “Visium Spatial Gene Expression” Solutions from 10x Genomics offering:

- Analysis of the whole transcriptome (probe-based or poly-A mRNA capturing) in the morphological context with just one tissue section
- High-resolution view of gene expression variability in the tissue of interest
- Combination with our high-quality, low-ischemia time tissue samples from our clinical network

End-to-end solution: Spatial Transcriptomics Service Workflow

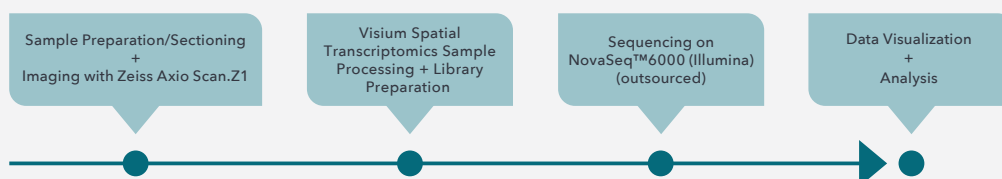
1. Sample preparation/sectioning of fresh frozen (FF) tissue samples and formalin-fixed paraffin-embedded (FFPE) tissue samples
2. Whole transcriptome spatial analysis of tissue via CytAssist or direct placement methods using different available assays, e.g. Visium HD
3. Visium Spatial Gene Expression Workflow including sequencing as well as data visualization and analysis

Your Benefits

Our Multi-omics Grade samples enable the advancement of your research and development of personalized medicine, from target identification to drug discovery, and for biomarker exploration and validation.

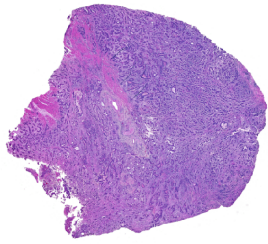


- 10x Genomics Certified Service Provider for Spatial Gene Expression Solution
- Scientific support throughout the entire spatial transcriptomics workflow
- Easy to interpret results
- Rapid answers on differentiated gene expression
- Reliable and scientifically proven technology
- All data files provided for individual processing
- Save valuable biological material

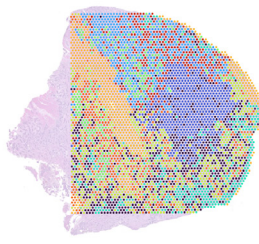


From morphological view to spatially-resolved cluster analysis and target gene expression

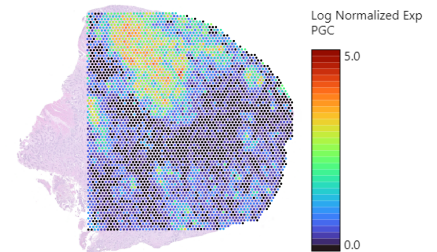
Stomach Tumor



H&E image - morphological view of stomach tumor tissue section

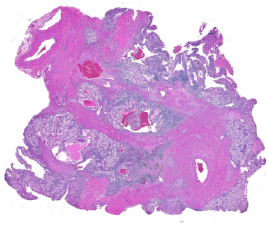


Spatial view - gene expression data displayed as clusters identified by differentially expressed genes

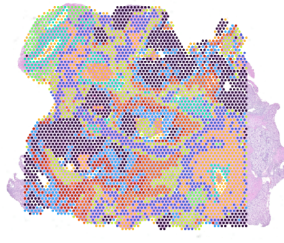


Spatial view PGC (Progastricsin) - gene expression of PGC is shown in the spatial context

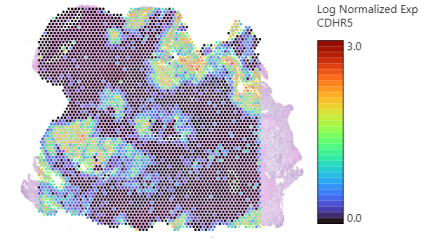
Kidney Tumor



H&E image - morphological view of kidney tumor tissue section



Spatial view - gene expression data displayed as clusters identified by differentially expressed genes



Spatial view CDHR5 (Cadherin Related Family Member 5) - gene expression of CDHR5 is shown in the spatial context

Combined and Complementary Services

- High-quality biospecimens from Indivumed Services's Biobank
- Histopathological evaluation by in-house pathologists
- Immunohistochemistry (IHC) and/or Fluorescent Multiplex IHC
- Single Cell Sequencing (10x Genomics)
- Laser Capture Microdissection (LCM)

About Indivumed Services

Indivumed Services, a Crown Bioscience Company, is a global contract research organization (CRO) that offers an industry-leading oncology biobank and a range of service platforms to advance oncology and immuno-oncology drug discovery and development.

Holding a unique biobank of clinical specimens, unrivalled in quality and associated clinical history, which currently totals almost one million patient samples, the company partners with extensive clinical network of more than 60 entities in the United States, Europe, and Asia providing direct and controlled access to relevant surgical biospecimens and blood samples.

Further known for their enhanced immunohistochemistry and spatial transcriptomics, Indivumed Services' platforms complement a range of established Crown Bioscience capabilities supporting biomarker discovery.

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