

## Admera Health - First Certified Service Provider in North America for STOmics: Navigate the Spatial Landscape of Gene Expression with Unmatched Resolution

### HIGHLIGHTS & WORKFLOW

**Ultra-High Resolution:** Nanometer size capturing spots enable hundreds of unique data points per cell.

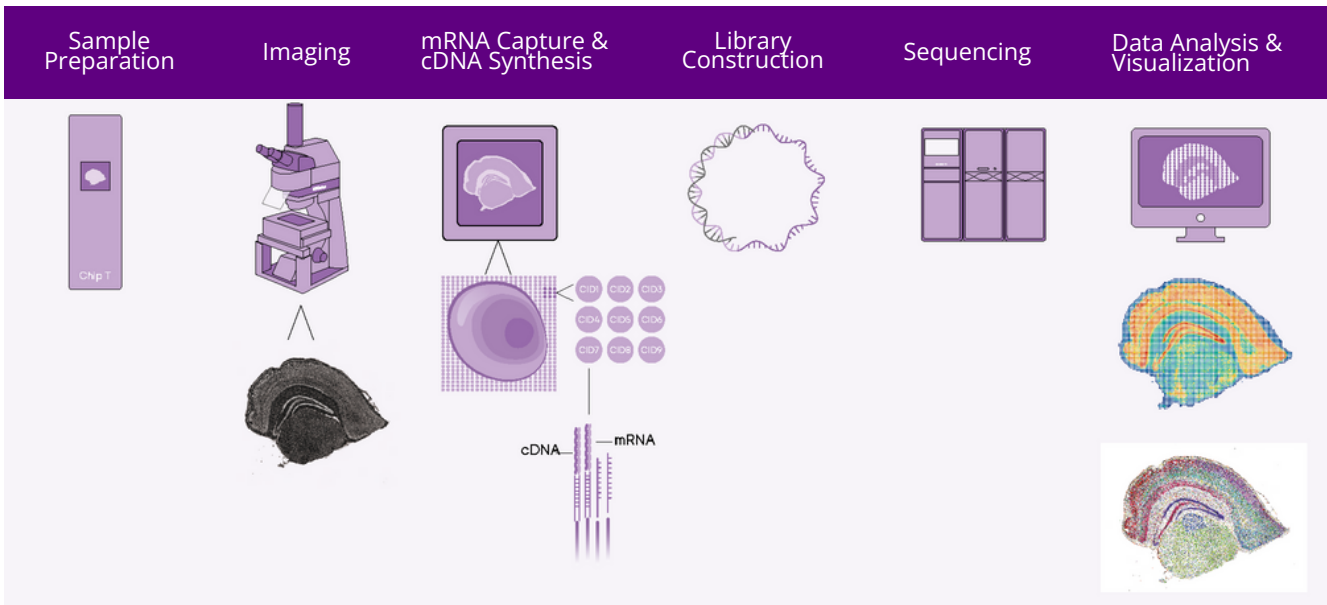
**Whole Transcriptome Capture:** Not limited to a pre-determined targeted gene list.

**Species-Agnostic:** Compatible with nearly all eukaryotic organisms.





**True Single-Cell Segmentation:** Combination of high-resolution and image-aided analysis achieve precise cell segmentation.

**Flexible Centimeter-Size Chips:** Tailored to accommodate various tissue types.

**End-to-End Software For Data Analysis:** Results are compatible with widely used 3rd party tools.



### STEREO-SEQ APPLICATION IN CANCER RESEARCH

Publication	Experiment Snapshot	Link
Molecular, Metabolic, and Subcellular Mapping of the Tumor Immune Microenvironment via 3D Targeted and Non-Targeted Multiplex Multi-Omics Analyses <i>Cancers</i> 2024, 16(5), 846	<b>STOmics product:</b> Early Access Stereo-seq Transcriptomics Solution for FFPE <b>Sample Type:</b> Human, FFPE	
A cellular hierarchy in melanoma uncouples growth and metastasis. <i>Nature</i> 610: 190-198 (2022)	<b>STOmics product:</b> Stereo-seq Transcriptomics Solution <b>Sample Type:</b> Mouse, Fresh Frozen	
Presence of onco-fetal neighborhoods in hepatocellular carcinoma is associated with relapse and response to immunotherapy. <i>Nature Cancer</i> 5:167-186 (2024)	<b>STOmics product:</b> Stereo-seq Transcriptomics Solution <b>Sample Type:</b> Mouse, Fresh Frozen	
Single-cell landscape of idiopathic Multicentric Castleman Disease in identical twins <i>Blood</i> 2023021992.	<b>STOmics product:</b> Stereo-seq Transcriptomics Solution <b>Sample Type:</b> Mouse, Fresh Frozen	

## ADMERA HEALTH PROVIDES END-TO-END SOLUTIONS FOR YOUR SPATIAL TRANSCRIPTOMICS QUESTIONS



Admera Health leverages its expertise in Next-Generation Sequencing (NGS) and bioinformatic services to offer a comprehensive suite of genomics services to advance our customers' research initiatives. The company now offers STOmics' Stereo-seq spatial transcriptomics as a Certified Service Provider.

Admera Health operates in a CLIA/CLEP-certified and CAP-accredited environment, handling all samples with exceptional care, leading to quality research results and deliverables.

Expert scientists with a wide range of experience in different genomics applications and sample types are available from initial consultations through project completion, providing researchers with unmatched customer support.

From sample processing to data delivery, projects are completed in a rapid fashion to ensure our customers' deadlines are met — or exceeded.



### Admera Health Provides End-to-End Solutions For Your Spatial Transcriptomics Questions

ADMERA HEALTH'S PERFORMANCE		FINAL HTML REPORT
Mean Gene type per Bin200	6,000-7,000	An interactive report includes <ul style="list-style-type: none"> <li>• Visualizations of spatial gene expression and tissue segmentation images</li> <li>• Quantitative metrics, such as                             <ul style="list-style-type: none"> <li>◦ Valid reads</li> <li>◦ Mapping efficiency</li> <li>◦ Transcriptome completeness</li> <li>◦ Crucial saturation levels</li> </ul> </li> <li>• Tissue Square Bin and Cell Bin-level statistics along with clustering plots for a deeper understanding of localized gene expression patterns and potential cell populations</li> </ul>
Sequencing Saturation	80-90%	
Valid CID Reads	~80%	
CID Q30	>92%	
MID Q30	>90%	
<i>Mouse Brain Tissue (7.7 Billion Total Reads)</i>		

### Contact Us

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