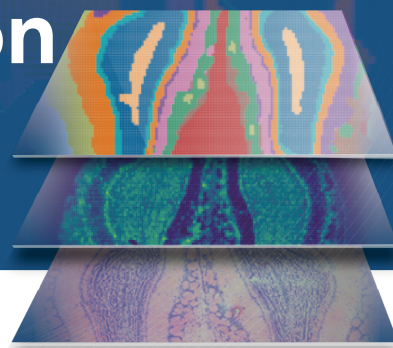
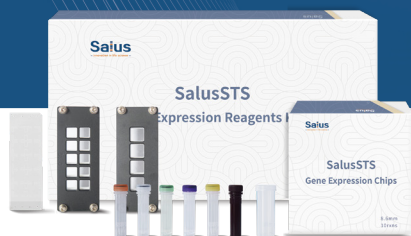


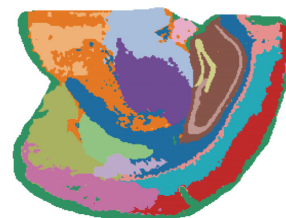
# Salus Spatial Transcriptomics Solution

Molecular insights at subcellular resolution



The Salus Spatial Transcriptomics Solution (SalusSTS) is a powerful genomics research tool that includes ultra-high-density chips, a gene sequencer, and a data analysis toolkit.

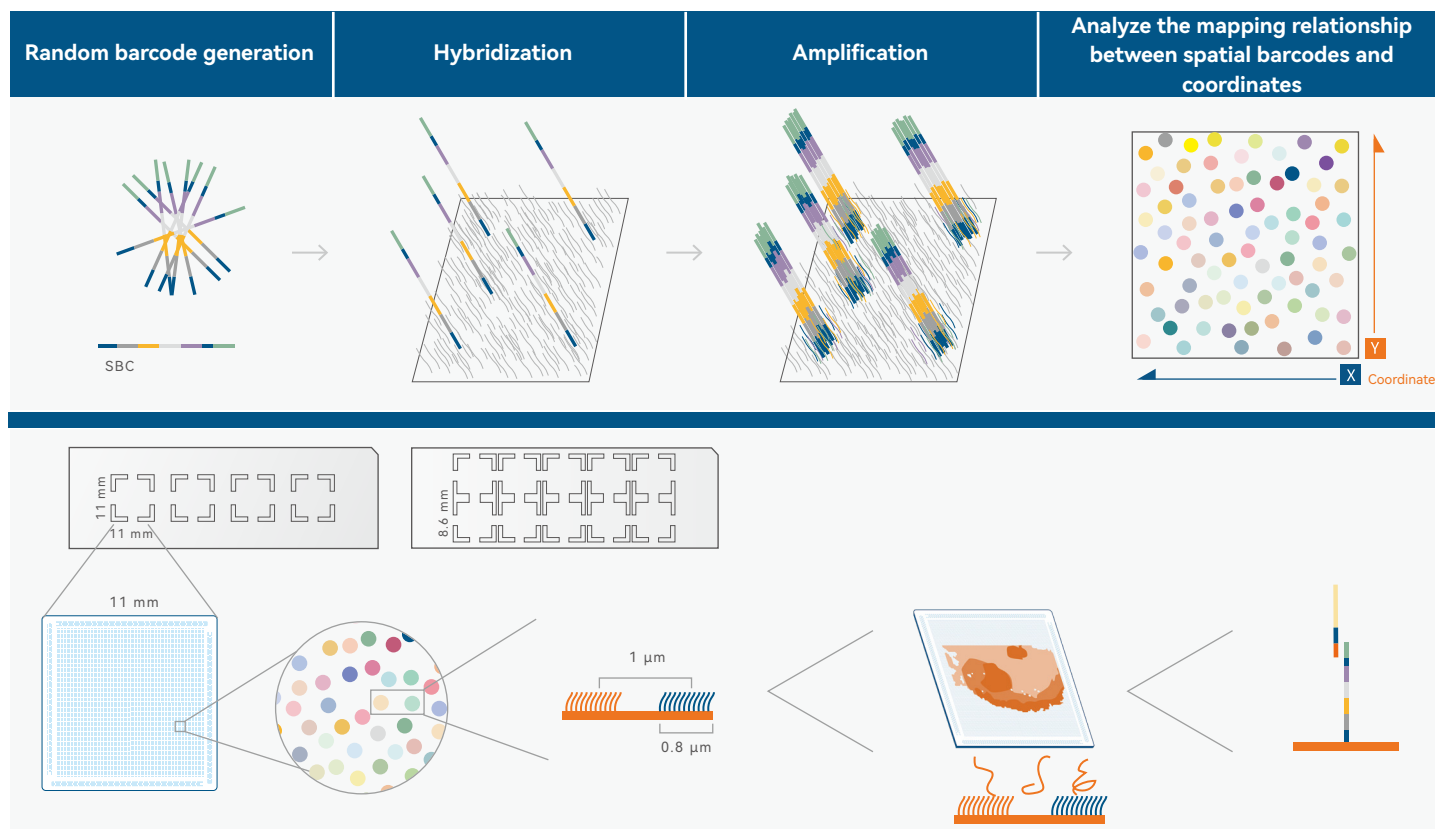
SalusSTS enables researchers to accurately and efficiently obtain spatial gene expression data from tissues at subcellular resolution.



25  $\mu\text{m}$  resolution

## Salus Spatial Transcriptomics

Spatial Transcriptomics (ST) Chip for mRNA capture and spatial localization at 1  $\mu\text{m}$  resolution



## Key Features



### Subcellular Resolution

A resolution of up to 1  $\mu\text{m}$ , supporting precise spatial localization at the subcellular level.



### Flexible Capture Area

Captures 1 – 10 samples either individually or in batches. The tissue and chip are firmly bonded through covalent bonds, ensuring high probe stability and minimal batch-to-batch variation.



### High Capture Efficiency

Ultra-high-density probes ( $\sim 55000/\mu\text{m}^2$ ), offering superior capture efficiency.



### High Throughput

Captures a wide range of transcript data from the tissue section, facilitating the detection of novel and low-abundance transcripts.



### Large Tissue Research

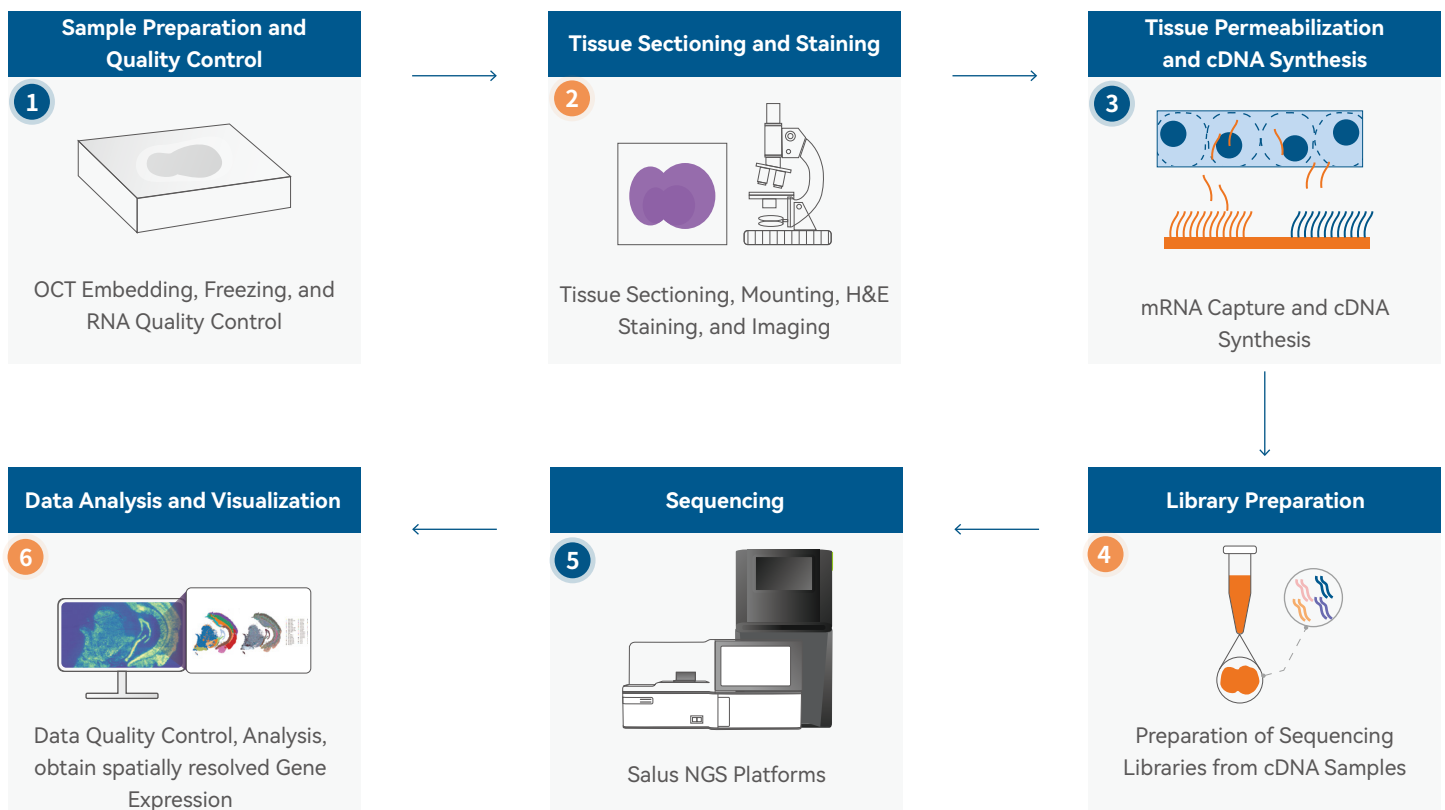
Supports chip sizes of 8.6 x 8.6  $\text{mm}^2$  and 11 x 11  $\text{mm}^2$ , with customizable capture areas for larger tissues.



### Customizable Probes

Supports both targeted and non-targeted capture, and is applicable to various species and tissue types.

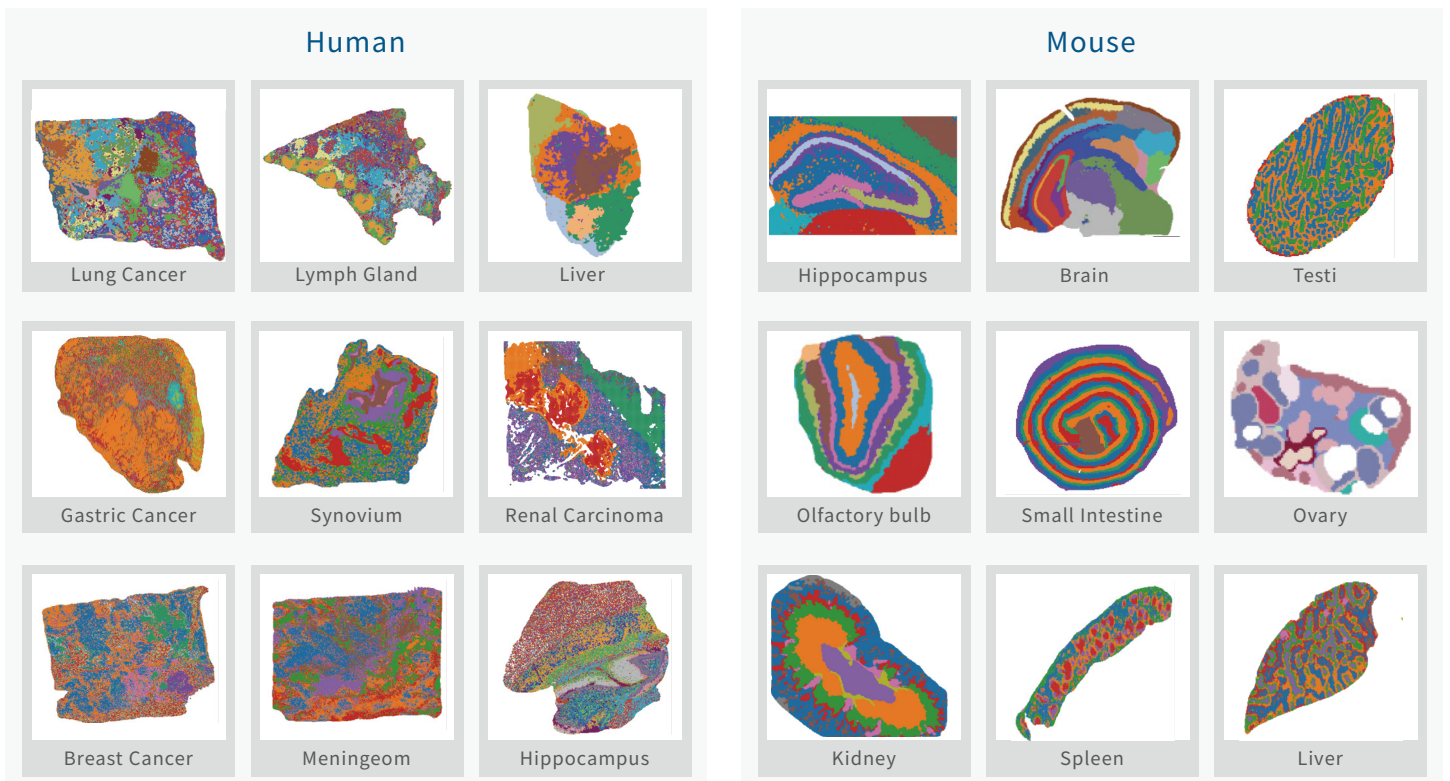
## Salus Spatial Transcriptomics Solution



# Salus Spatial Transcriptomics Solution

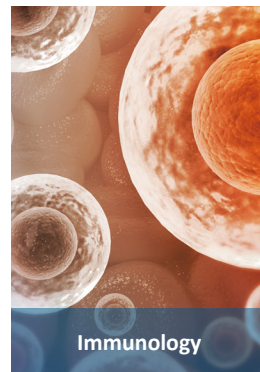
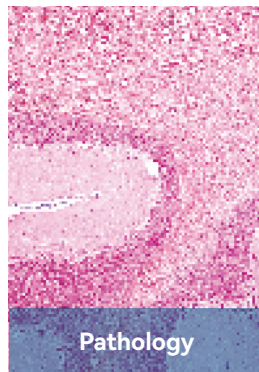
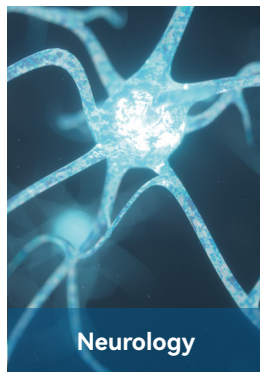
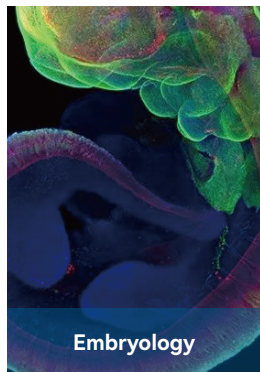
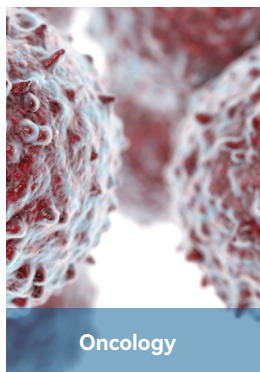


## Data Demonstrations



## Research Areas

Spatial transcriptomics technology enables researchers to explore into cell-cell interactions at the molecular level, facilitating new biological discoveries. This technology can be applied in tumor research, embryonic tissue development, neurobiology, molecular pathology, immunology and emerging fields.



## Specifications

Size	8.6 mm × 8.6 mm × 10; 11 mm × 11 mm × 4
Diameter of the spot	0.8 μm
Center to center (resolution)	~1 μm
Number of spots / 100 X 100 μm <sup>2</sup>	5,000
Number of probes / μm <sup>2</sup>	~55000
Bin analysis	5 μm – 100 μm
Capture method	Non-targeted and targeted capture
Species	Human, animals and plants
Sample type	Fresh frozen tissue (FF)

## After-sale service 400-80-SALUS(72587)

Salus BioMed or its authorised partners provide after-sale service, including operation training and technical support .

## Salus BioMed

### Empower and Cooperate

Founded in Shenzhen, Salus BioMed specializes in developing high-throughput genetic sequencing platforms and is a world leader in high resolution spatial omics research platforms, serving both research and clinical applications. The company is dedicated to providing a wide range of cutting-edge instruments and solutions to the sequencing and life sciences industry.

