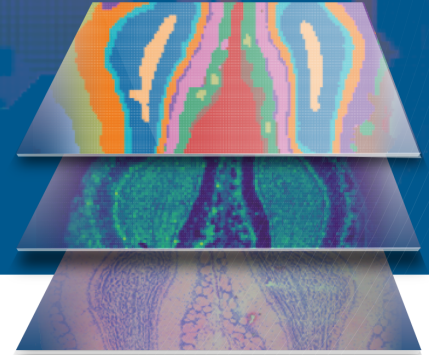


Salus Spatial Transcriptomics Solution



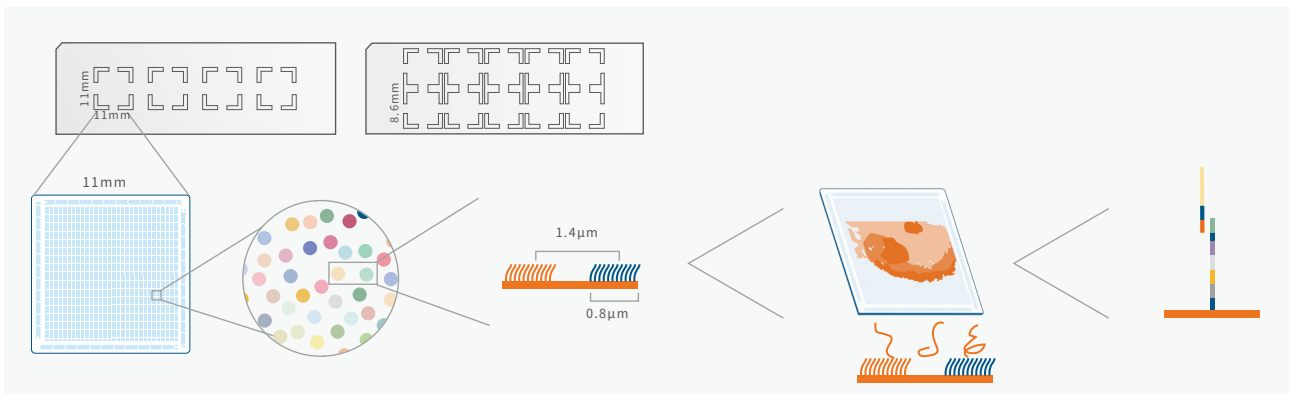
Salus Spatial Transcriptomics Solution (SalusSTS) is a powerful spatial genomics research tool, including ultra-high density spatial barcode probe chip, gene sequencer, tissue biochemistry analyzer, and data analysis toolkit.

SalusSTS can help researchers to accurately and efficiently obtain the expression information of tissue samples in spatial in situ at the subcellular resolution.

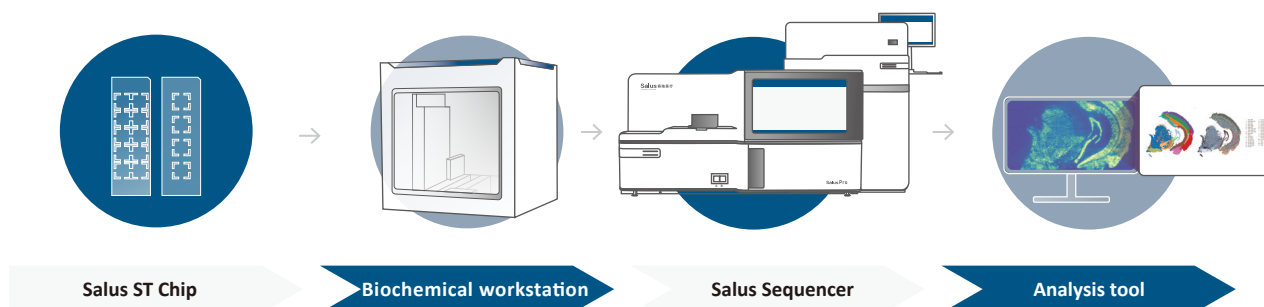


Technology

Spatial Transcriptomics (ST) Chip for mRNA capture and spatial localization at 1.4 μ m resolution

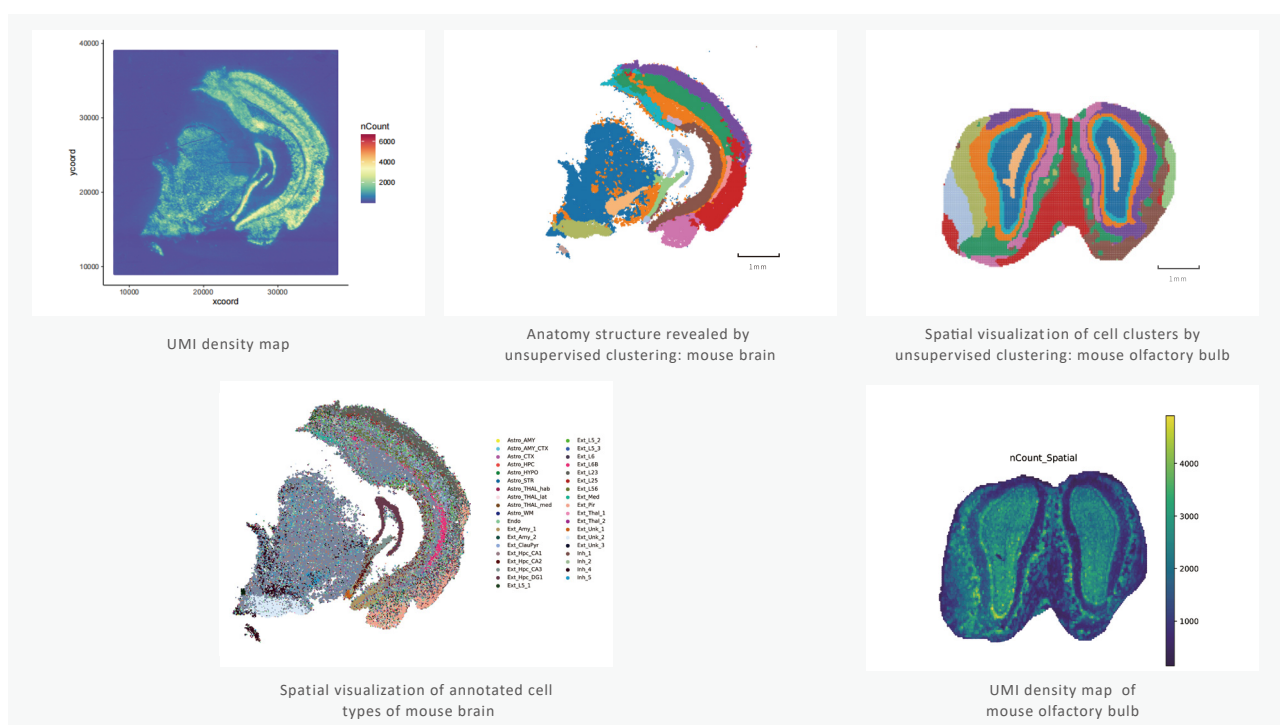


Salus Spatial Transcriptomics Solution



Data Demonstrations

Spatially resolved gene expression and cell clustering in samples of mouse brain, olfactory bulb, and intestine (in 25 μ m binned resolution).

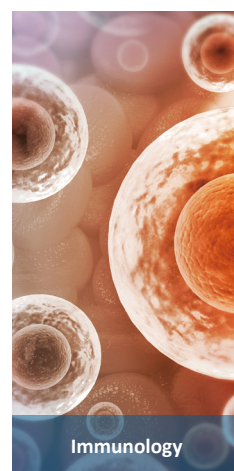
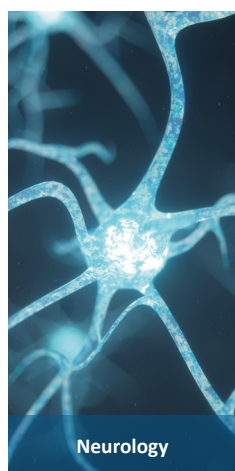
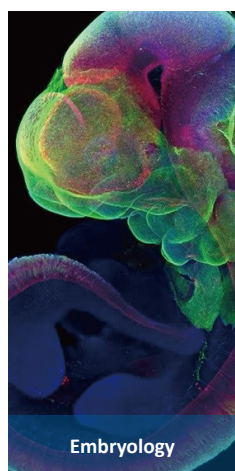
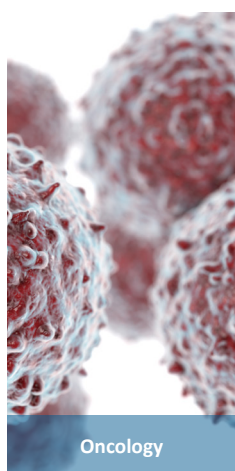


Specifications

| | |
|---|-----------------------------------|
| Size | 8.6mm×8.6mm×10; 11mm×11mm×4 |
| Diameter of the spot | 0.8 μ m |
| Center to center (resolution) | 1.4 μ m |
| Number of spots/100 μ mX100 μ m | 5000 |
| Number of probes/ μ m ² | 18000 \pm 3000 |
| Bin analysis | 5 μ m~100 μ m |
| Capture method | Non-targeted and targeted capture |
| Species | Human, animal and plant |
| Sample type | Fresh frozen tissue (FF) |

Research Areas

Spatial transcriptomics technology enables researchers to gain insight into cell-cell interactions at molecular level, thereby promoting new biological discoveries. It can be applied in tumor research, embryonic tissue development, neurobiology, pathology research, immunological research and other emerging fields.



Ordering Information

| Products | Unit | Catalog No. |
|--|--------|-------------|
| SalusSTS Gene Expression Set, 8.6 mm | 10rxns | SL-S00179 |
| SalusSTS Gene Expression Set, 11 mm | 4rxns | SL-S00231 |
| SalusSTS Tissue Optimization Set | 10rxns | SL-S00176 |
| SalusSTS cryostat microtome | EA | SL-R00102 |
| SalusSTS spatial transcriptome analysis tool | EA | SL-R00103 |
| SalusSTS tissue biochemical workstation | EA | SL-R00104 |
| SalusSTS Cassette, 8.6 mm | EA | SL-S00182 |
| SalusSTS Cassette, 11 mm | EA | SL-S00186 |
| PCR device adapter | EA | SL-M00105 |

After-sales service

Salus biomed or Salus biomed's authorised partners provide after-sales service, including operation training and technical support.

Salus Biomed

Empower and Cooperate

Salus Biomed was founded in October 2020, focusing on the development of high throughput genetic sequencing platform, and creating world's leading super-resolution spatial omics research platform. The company is committed to the independent development of genomics and spatial genomics products and the translation of research and clinical applications.



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