

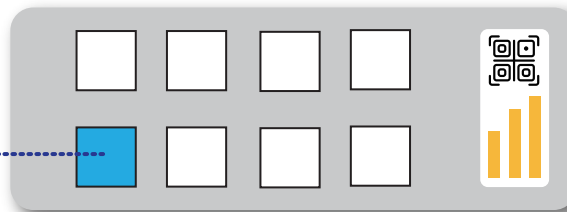
Single-cell Level Spatial Transcriptomics

BMKMANU S3000

Our Product

Capture area

6.8 mm * 6.8 mm
11 mm * 11 mm
15 mm * 20 mm

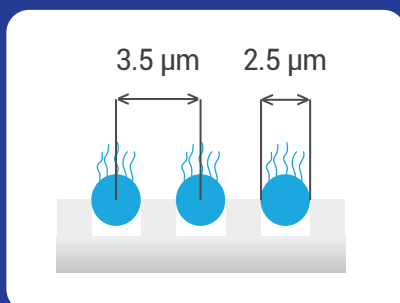


BMKMANU S3000 slide

Spatial transcriptome slide with one to eight different numbers of capture area per slide.

BMKMANU S3000 spatial transcriptome slides are transparent glass slides with flexible number of RNA capture areas in varying sizes to accommodate different experimental schedules and requirements. A capture area in standard size, measuring 6.8 mm x 6.8 mm, contains over four million beads, each equipped with more than 10 million oligos to ensure sufficient RNA capture in each bead.

Sub-cellular Resolution



Poly(dT) oligos hanging on each bead in the capture area are designed for efficient whole-genome mRNA capture at the subcellular scale.

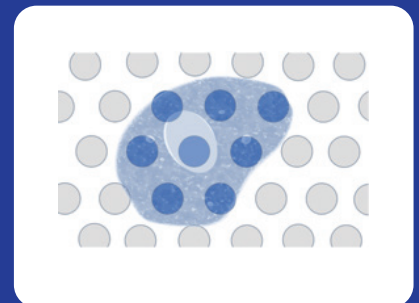


3-in-1 Design



Three layers of information (RNA capture, bright-field imaging, and fluorescent staining) obtained in one single slide enable accurate and fine-scale spatial gene expression analysis, by ensuring the precise alignment between RNA signal and histological image.

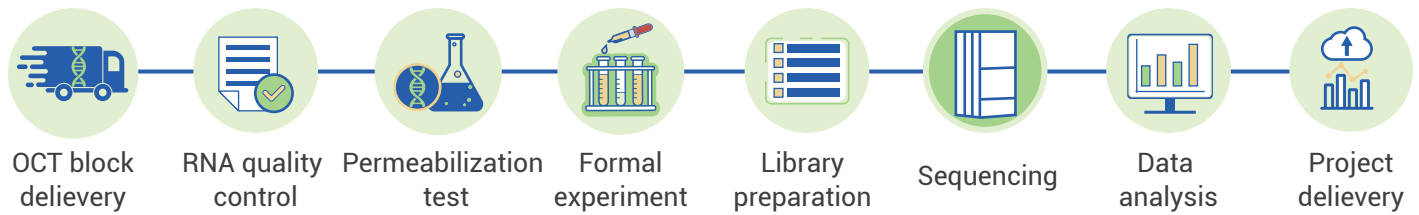
Single-cell Level Expression



Single-cell level expression is achieved by drawing each cell boundary with the implemented algorithm and binning the transcripts on beads under each cell.



Our Service



› **One-stop service**

New in spatial transcriptome? No problem! You only need to imbed your tissue in OCT and send us the block. We will take care the rest including data analysis!

› **Spatial transcriptomics specialized technical team**

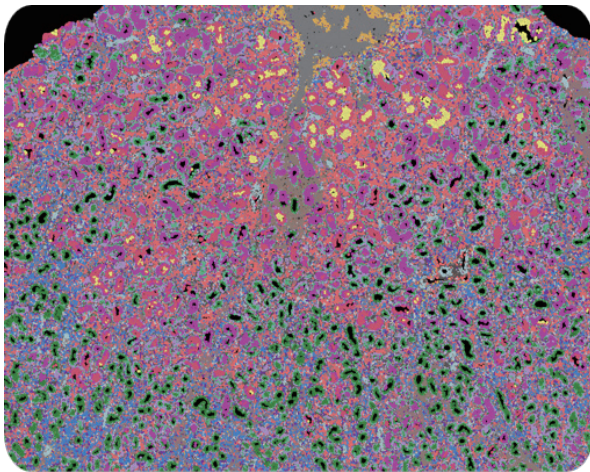
Our spatial transcriptome team has successfully processed more than 250 different types of tissues from more than 100 species.

› **Comprehensive bioinformatic analyses**

The bioinformatic package includes around 29 analyses, which will produce 100+ ready-to-publish figures. It is also possible to select our customized bioinformatic package, where we will also perform the joint analyses between single-cell RNA data and spatial transcriptome data for you.

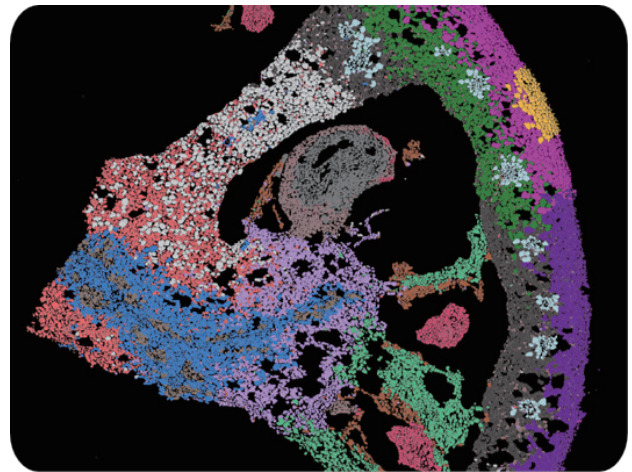
Demo Cases

Mouse Testicle



Number of Cells 226,414
Median Genes per cell 1,365

Plant



Number of Cells 21,006
Median Genes per Cells 1,131

Biomarker Technologies (BMKGENE)

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Germany United Kingdom United States China