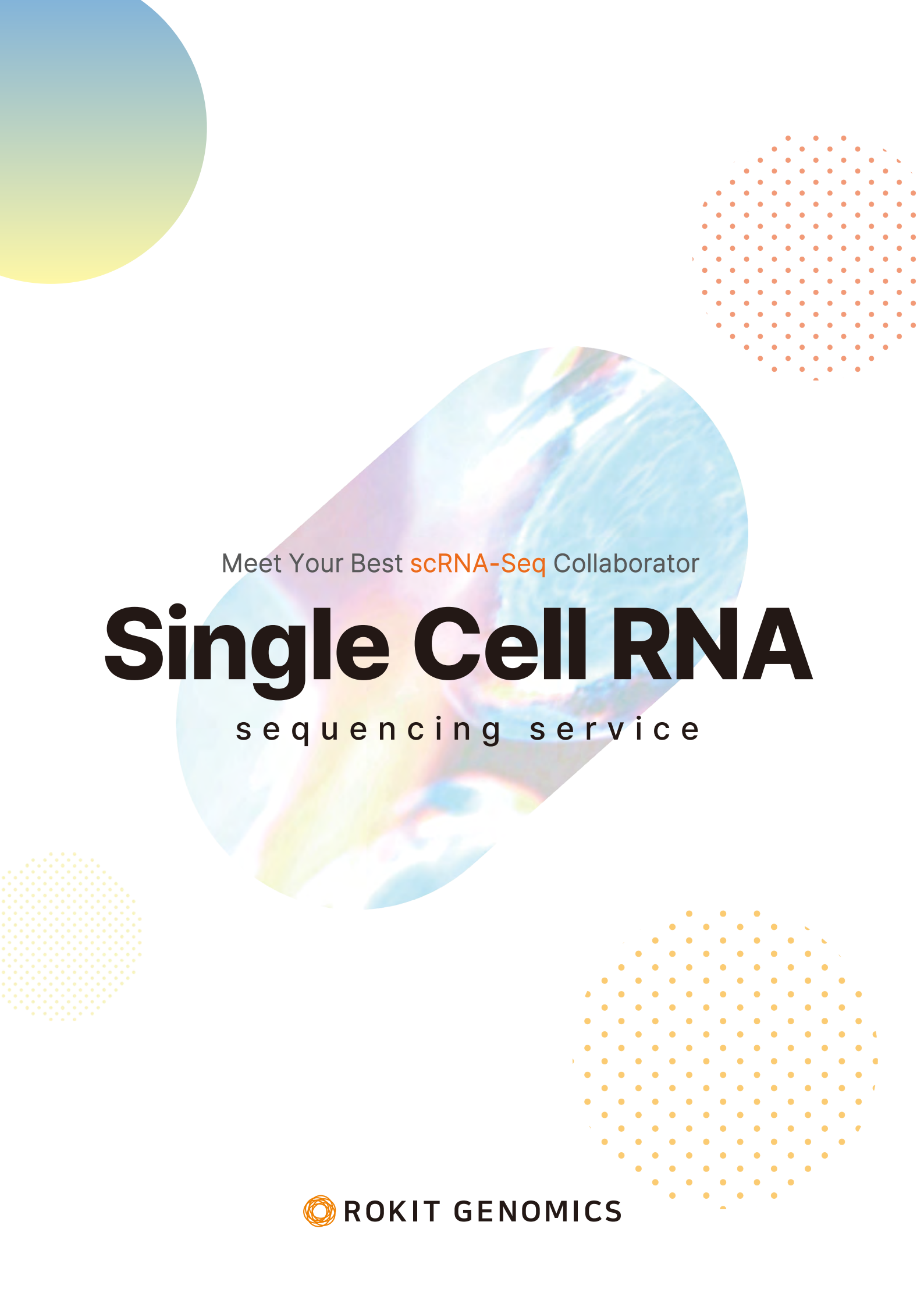




Meet Your Best **scRNA-Seq** Collaborator

Single Cell RNA

sequencing service

About us

ROKIT Genomics was established with the goal of making single-cell transcriptome analysis accessible to everyone. We offer customized services that cover the entire process, from research consulting to scRNA-seq experiments and data analysis, all at reasonable prices.

[Our mission]

We work more professionally, at more reasonable prices, for more people.

[Our vision]

Leading the way in innovative analysis services!

Our goal is to break down the barriers to single-cell analysis, often seen as complex and costly. We strive to be a trusted partner for researchers by providing expert consulting and practical insights.

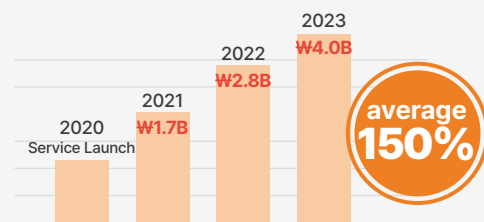
Projects & contracts

Selected for over 50 study projects annually by government agencies, hospitals, and universities.



Achieving rapid growth

We are experiencing rapid growth, with an average annual growth rate of 150%.

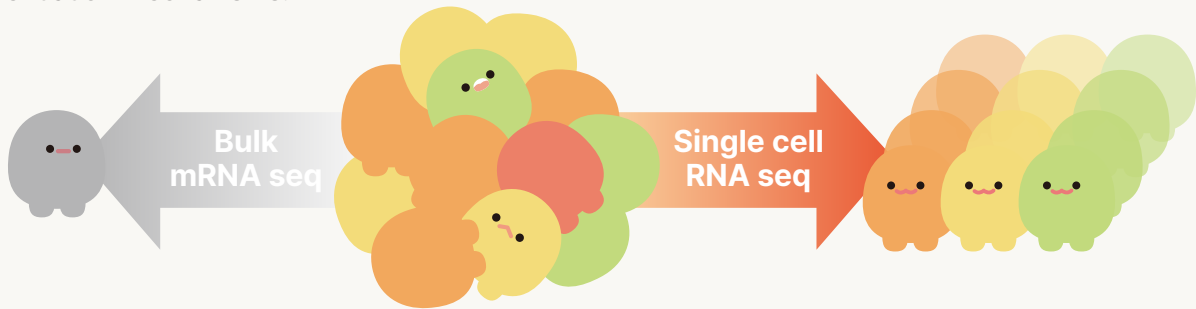


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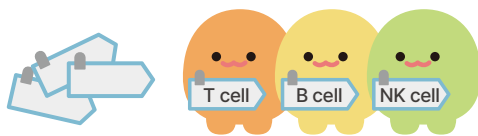
Why Single Cell?

Single-cell RNA sequencing captures gene expression at the individual cell level, delivering detailed information on thousands of cells simultaneously. These cells are then categorized into distinct clusters based on their diverse characteristics, allowing for in-depth analysis of cell types, marker genes, and cell differentiation mechanisms.



Cell type annotation

Analyze and distinguish cell types, elucidating heterogeneity within samples.



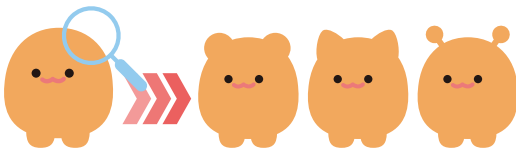
Cell proportion

Show the composition ratios of cell types and detect rare cell populations.



Subtyping

Through in-depth expression analysis, classify cell types in more detail.



Cell differentiation

Comprehend cell differentiation processes and intercellular interactions.



Multi-omics

Analyze transcriptome, epigenome and proteome, enabling multi-omics analysis from single cells.



Applicable to various fields

Single-cell analysis is valuable across various fields including oncology, immunology, stem cell research, and organoid studies.



Why ROKIT GENOMICS?

Many researchers are considering projects involving single-cell RNA sequencing. How can they obtain high-quality data while staying within a reasonable budget?

01

Study consulting



- Please inquire about your planned experiments.
- We will propose experimental and analysis designs suitable for the project you desire.

02

Direct delivery



- We transport your samples quickly and safely.
- We collaborate with dedicated express delivery services for real-time shipment tracking.

03

Tissue dissociation service



- we perform preprocessing procedures
- tailored to the specific conditions of the samples and tissue types.

04

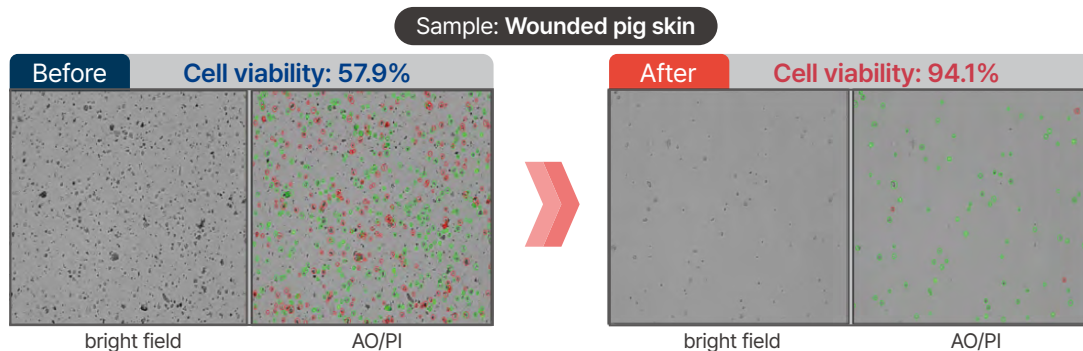
Multi-platform for single-cell



- ROKIT Genomics offers single-cell sequencing services using multiple cell capture platforms, including 10X Chromium and BD Rhapsody.

Tissue dissociation test

We offer free pilot tests to optimize scRNA-seq experiment conditions(2 times, 4 samples). We also perform tissue dissociation processes to convert various tissues into single-cell suspensions.



70+ Tissues & 10 Species

Model animals

Human Mouse Rat

Mammals

Pig Monkey Beagle Wild boar

Other species

Zebrafish Cabbage Tabacum

Tissue (Human sample)

Aorta	Ligamentum flavum	Skin
BALF	Liver	Spinal code
Bone marrow	Lung	Spleen
Brain	Lymph node	Stomach
Colon	Muscle	Synovial fibroblast
Cortex	Nasal polyp	Thymus
Heart	PBMC	Urine
Hippocampus	Pituitary gland	WBC
Intestine	Retina	
Kidney	RPE	



Case 1. For publication in papers

Prof. Kim Rokit

To generate data for publication in papers, looking for a platform with more data to cite.

#snRNA-seq #Leading company



Case2. Multiple samples with limited budget

Prof. Park Geno

To perform single-cell analysis on 10 blood samples, within the limited budget.

#Multiplex #Cost savings

10x Chromium iX



Lower cell damage

- Minimizing cell damage through short experimental durations

Majority of published paper data

- Leading player in the scRNA-seq field

Loupe Browser

- Researchers can perform data analysis directly

BD Rhapsody HT



Conserving cell diversity

- Gravity-assisted well-based cell capture
- Particularly suitable for fragile cell types

High target cell numbers and low cost

- Targeting up to 50,000-60,000 cells
- Library preparation for multiple samples

Strengths

Applications

Transcriptome



gene expression profiling

TCR/BCR repertoire



immune cell profiling

Multiplexing



experiment for multiple samples

ATAC/Multiome



nuclei extraction & ATAC-seq

Targeted protein profiling



cell surface protein profiling

Fixed RNA sequencing



10x Genomics Flex

ROKIT single cell workflow

We provide excellent results through our specialized process tailored for single-cell services.

Each service procedure can be customized according to your needs, allowing you to select specific steps tailored to your requirements.

From experiment design, library sequencing, to bioinformatics analysis—everything for single cell analysis!

01.

Study consultation



02.

Sample QC



03.

Platform selection



01. Study consultation

Inquiry about research projects ☐

Data analysis for publications ☐

02. Pricing consultation

Experiment & analysis costs ☐

Estimated turnaround time ☐

03. Sample preparation

Tissue, cell stock, live cell? ☐

Sample packaging
and shipping methods ☐

01. Delivery

Express delivery with tracking ☐

Door-to-door delivery service ☐

02. QC pilot test

Pilot test for free (2 times) ☐

Quality control for scRNA-seq ☐

03. Cell quality up

Enhancing cell viability ☐

Preprocessing for each samples ☐

01. Platform selection

10x Genomics ☐

BD Rhapsody ☐

Multiple samples, limited budget ☐

Multomics application ☐

04.

Sequencing



01. Library & Sequencing

Library preparation ☐

Customized library preparation ☐

Sequencing of pre-made
libraries only ☐

05.

Raw data



01. Raw data only

Raw data reporting (FASTQ file) ☐

Data delivery with storages ☐

02. Pipeline processed report

Offering processed matrix file ☐

Confirming target cell number ☐

Confirming mean reads per cell
and median genes per cell ☐

06.

Data analysis



01. Customized data analysis

Selectable options
for bioinformatic analysis ☐

Custom data visualization ☐

02. Analysis consultation

One-on-one consultation
with bioinformatician ☐

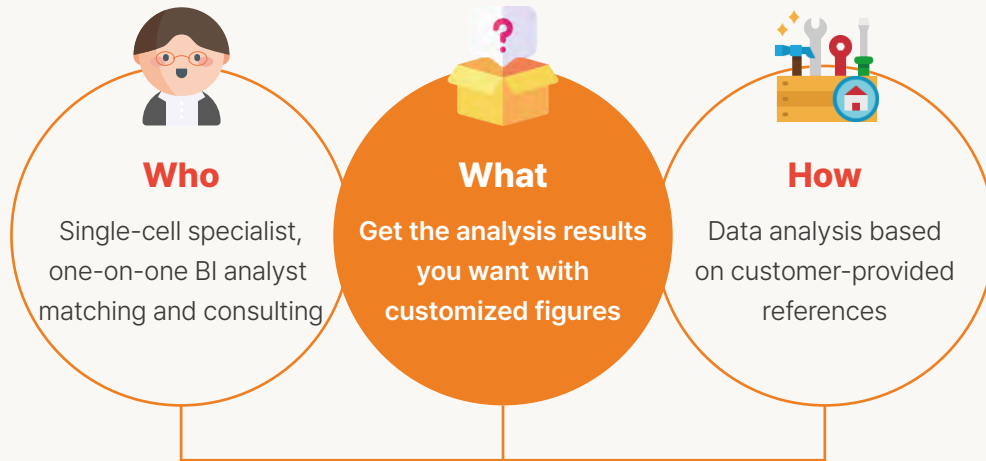
Customized data analysis
for publication-ready figures ☐

BESPOKE data analysis

Experience personalized data analysis tailored for you.

Have you ever been disappointed with generic reports you received?

ROKIT Genomics provides personalized results in single-cell analysis that are ready for publication!



This is how it works:

1 I have scRNA-seq data but don't know how to analyze it.

Do you have a figure you want to create?
Please send us the reference papers,
gene sets, and data figures.

- For producing analysis results that meets the researcher's objectives, we offer 1:1 consultations with specialists and provide detailed feedback.

Q&A

Q1.
I received raw data,
now what should I do?

Q2. I saw an analysis figure
in a paper, can I do a similar
type of analysis too?

Attached file: Paper.pdf

2 Choose the data analysis you want!

Utilize analysis services by selecting the
analyses you need, or try our packages that
bundle the most commonly used analyses.

- Look at the example data and detailed explanations included in our booklet, and select the necessary analyses.

We have a variety of options available.

Pick and choose the analyses you want!

MENU
Annotation ☒
Violin plot ☒
Total W -----

3 We offer bioinformatic analysis seminars for researchers.

Interested in conducting analysis yourself?
Join ROKIT Genomics' single cell analysis seminars with a 99% satisfaction rate.

*Seminar topics and difficulty levels vary by period.

3rd Single cell analysis seminar

Enter this code
to change the graph colors!

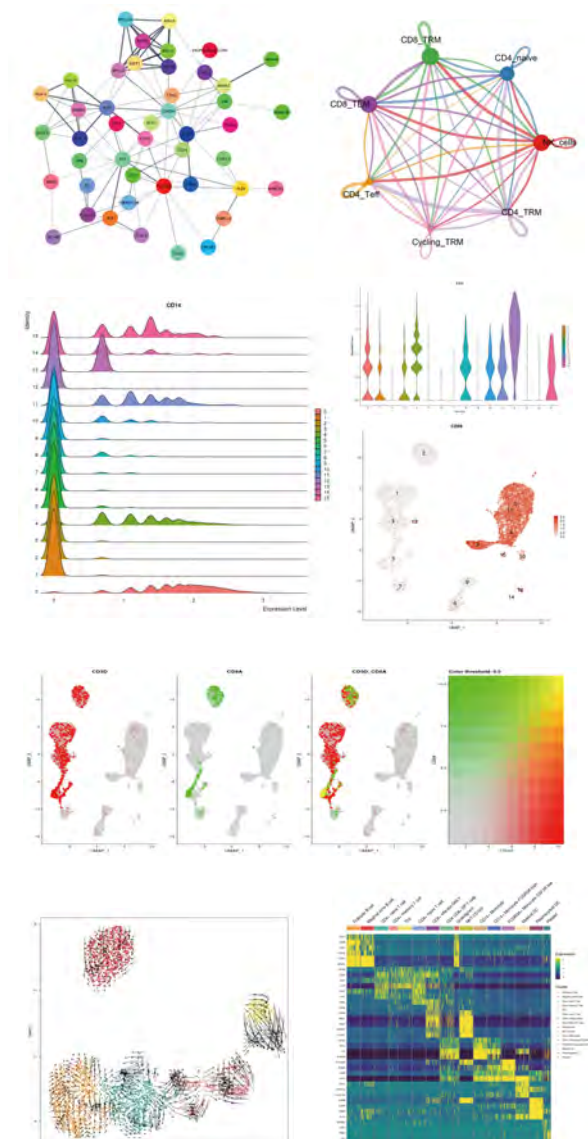
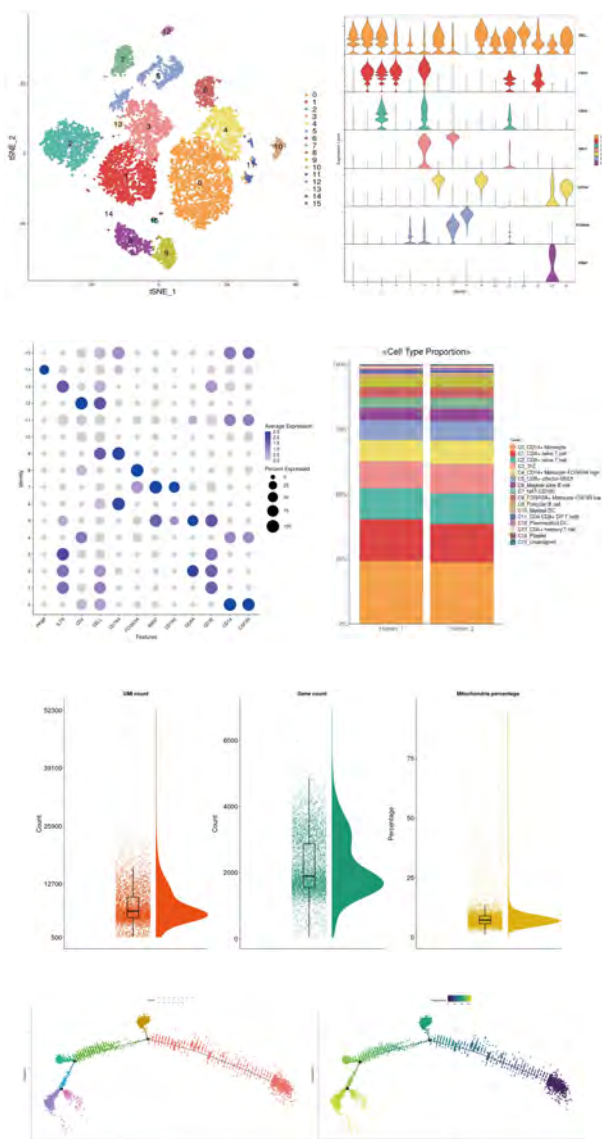


```
install.packages('Seurat')  
library(Seurat)
```



```
>data
```

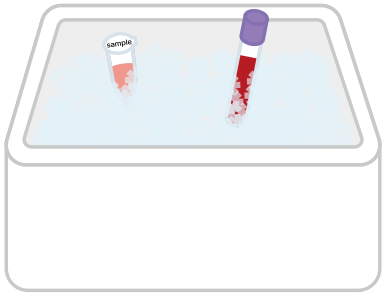
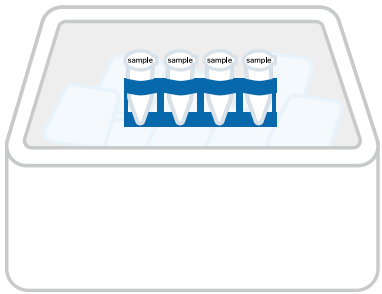
scRNA-seq analysis results



FAQ

Sample preparation and packing methods

In single-cell RNA sequencing experiments, the quality of the data produced is greatly influenced by the initial condition of the samples. To maintain optimal sample conditions and generate high-quality data, please prepare your samples as follows:

	Fresh Sample	Frozen Sample
Cell	PBS+BSA 0.04% or complete media for cells, packaged with ice and delivered refrigerated.	Cell stock in a frozen state, using a commercial freezing buffer or 10% DMSO + 90% FBS. *If unsure about freezing buffer selection, please ask.
Tissue	Tissue submerged in tissue storage buffer, packaged with ice and delivered refrigerated.	① Wash tissue to remove blood and sticky fluids, then chop tissue into 2×2mm square, each weighing 200mg. ② Place 200mg of tissue in a cryovial with 1ml of freezing buffer, and slowly freeze in a freezing container at -80°C. ③ After 24 hours, store the sample in an LN2 tank. → Deliver ② or ③
Blood Body fluid	Whole blood: Collected in EDTA tubes with inverting, delivered refrigerated. *Recommended to collect 10ml in 2 tubes. Other body fluids: Delivered refrigerated without additional buffer.	Isolate PBMCs within 2 hours of blood collection. → Prepare cell stock and deliver the frozen sample.
How to pack	Package with residual ice. *If using ice packs, ensure they do not directly contact the sample, using insulating material like bubble wrap. 	Pack with dry ice. If necessary, use a sample rack or sample box. 
Notes	If shipped in the morning, same-day experiments are possible. *domestic shipping only	After stabilizing the samples, the experiment is conducted.

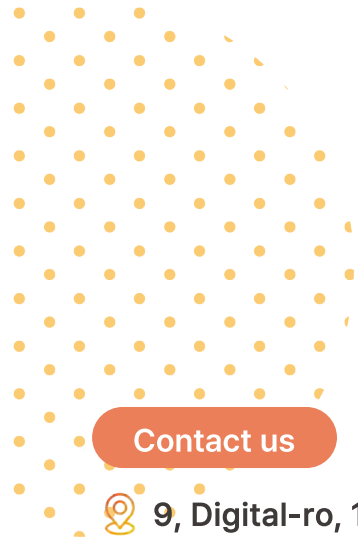
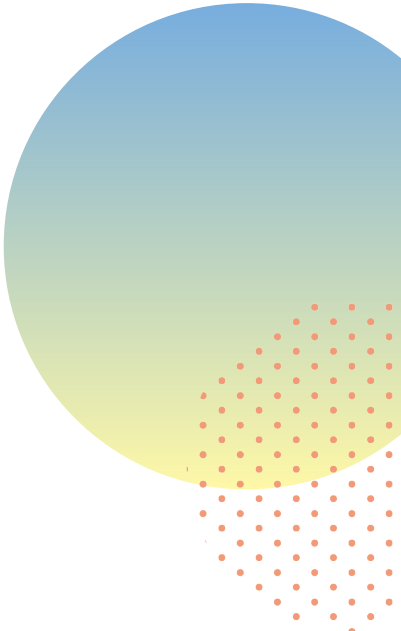
*Feel free to reach out if you have any questions about the sample preparation.

Turnaround time

- Data generation: On average, 5-6 weeks after passing sample QC.
- Basic analysis: Typically completed within 1-2 weeks after the result data report.
- Custom analysis: Timelines vary based on individual requests; please inquire in advance.

Memo

Handwriting practice lines consisting of 25 horizontal dashed orange lines on a white background.



Contact us

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 genomics@rokit.co.kr

 +82-1644-7203



User service guide

If you need any further information
Please feel free to contact us

