

## Asteria Benchtop Kit for Single-cell RNA-seq & Cytonaut Cloud Software for Single-cell Data Analysis

Gain control of your experiments right now without the need for microfluidics equipment

Save the hassles and expense of a major equipment purchase and start your single-cell experiment today

Easily expand your skill set and lab's workflow with our simple kit and intuitive software

Allocate your time to experiments, not on purchasing microfluidics equipment or waiting for a slot to open in the Core Lab

Gain confidence in your results with biological and technical replicates of up to 10,000 cells

Get your answers 24/7/365 using our cloud-based software and bypass the need for your own high performance computing infrastructure

Take control of single-cell data exploration with intuitive and powerful software tools

Iterate your experiments to find your answers and publish faster

## Advanced Single-cell Analysis in a Straightforward Benchtop Kit

- o Profile up to four samples of 10,000 cells with each kit
- o Use the simple, benchtop protocol for direct single-cell barcoding
- o Only basic laboratory skills and equipment are needed, no need for microfluidics instruments
- o As early as two hours, safely stop and store samples and then restart your experiment later
- o Experience high mRNA capture and gene sensitivity with low multiplet rates

## Scipio's Novel Approach to Single-cell cDNA Preparation



**PAIR**  
In a single tube, sample cells are simultaneously paired to individual beads before physical separation in a thermo sensitive hydrogel.

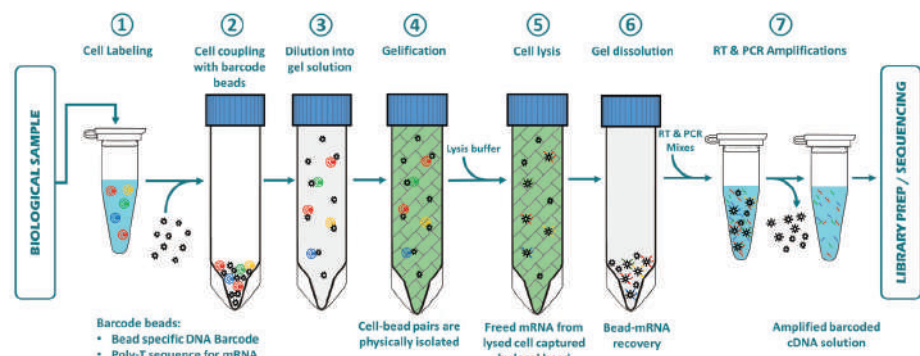
**CAPTURE**  
Lysis then leads to capturing of the cell cytoplasmic mRNA by the paired bead.

**BARCODE**  
The captured mRNA are reverse-transcribed alongside specific barcodes before amplification.

- o At the completion of the benchtop protocol, the individually barcoded cDNA from up to 10,000 cells is ready for library preparation and next generation sequencing.

## The Elegance of the Asteria Single-cell RNA-seq Workflow

*Take advantage of the simple benchtop protocol powered by RevGel-seq™ Technology*



*The entire workflow can be done on the workbench with basic laboratory equipment*

## Single-cell Data Insights at your Fingertips with Cytonaut Cloud Software

*Powerful for a bioinformatics & intuitive for a biologist*

Rely on our intuitive software with the step-by-step guided experience and demo data designed for a fast learning curve for biologists new to single-cell data analysis

Assess the robustness of your data by checking dedicated quality indicators related to sequencing, sample preparation, and information retrieval

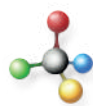
Run and analyze anytime with 24-hour online access to secure Cloud-based software to identify clusters and sub-clusters of cell subtypes and analyze differential gene expression

Keep your data and results safe thanks to substantial computing infrastructure engineered on Trusted Cloud Principles

Dive deep into the rich data with our sophisticated software or use the interoperable data export feature for analysis with open source tools

Easily obtain publication-ready datasets and striking visuals thanks to a powerful interactive visualization functionality with high parametrization

Identify high-fidelity cell subtypes and perform accurate transcript quantification



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