

CELL
Microsystems®

CellRaft AIR®
System

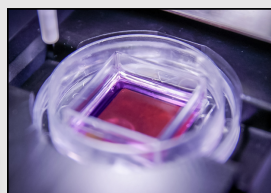
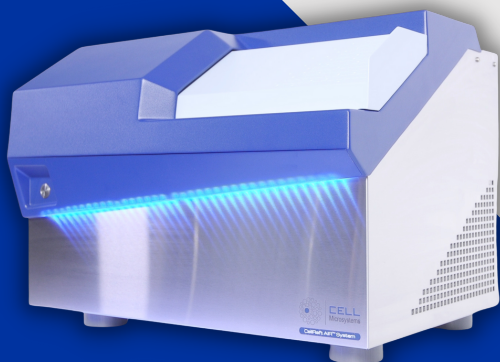
GENOMICS



IMAGE • IDENTIFY • ISOLATE

Know exactly what cells are in your library

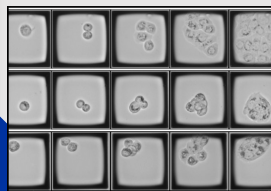
Eliminate doublets and debris by automated selection of the best single cells that maintain their native phenotype for downstream genomic analysis.



IMAGE

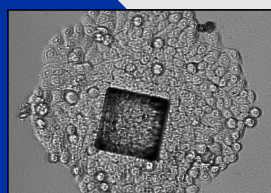
An effective 20x magnification* provides clear and detailed visualization of subcellular features for phenotype-based imaging in brightfield or fluorescence in as little as six minutes.

*BASED ON CAMERA RESOLUTION



IDENTIFY

Day 0 scans allows the user to see the quality and phenotype of their cells, and eliminates collecting doublets, debris, and unwanted cells for higher quality downstream analysis.



ISOLATE

Selected cells are moved gently enough to maintain native expression profiles of even sensitive cells. Without the need for trypsinization, phenotypes remain unperturbed.

FOR MORE INFORMATION, VISIT
CELLMICROSYSTEMS.COM

Accelerating the path to discovery

CONNECT PHENOTYPE TO GENOTYPE

The System's unique design allows users to connect downstream nucleic and protein profiles to a specific individual cell, providing greater value to each experiment.

Ideal for:

- Functional Genomics
- Transcriptomics and scRNA-seq
- Whole-genome Amplification
- Single Nucleus Sequencing (SNS)
- Copy Number Variation (CNV)
- Single Nucleotide Variation

CELLRAFT AIR VS COMPETITORS

	Traditional FACS	Droplet Dispenser	High Content Imaging	CellRaft AIR
Brightfield imaging	X	X	✓	✓
Cell Isolation	✓	✓	X	✓
On-platform Cell-based assays	X	X	✓	✓
Minimal cell input	X	X	✓	✓
High cell viability	X	✓	✓	✓
No cell dissociation	X	X	✓	✓
No specialized facilities	X	✓	✓	✓
Affordable	X	✓	X	✓

CONSUMABLES

Single cells are separated on CytoSort® Arrays, a proprietary consumable, and cultured over time in shared media, resulting in **faster growth rates with better survival rates.**

100 micron CellRafts®

- CytoSort Array Single Reservoir
- CytoSort Array Quad Reservoir
- CytoSort Array HexaQuad™ Reservoir



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