CELL Microsystems®

CellRaft AIR® System

ORGANOIDS

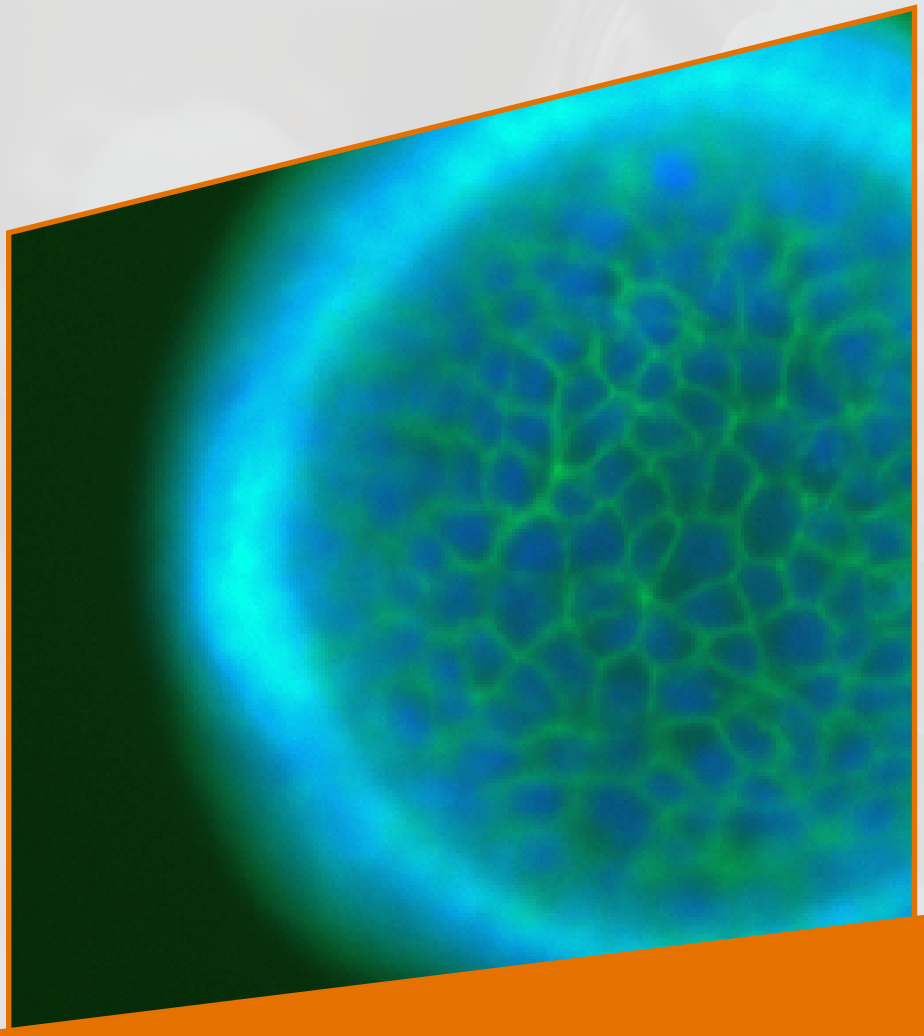
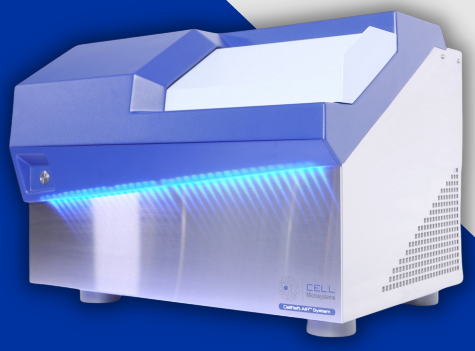


IMAGE • IDENTIFY • ISOLATE

CELLRAFT AIR® SYSTEM ORGANOIDS

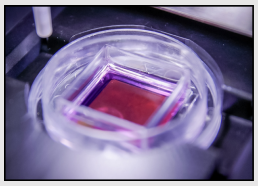
Isolate viable organoids of interest

Eliminate organoid-destroying manual isolation procedures. Recovering intact organoids off the AIR System unlocks the ability to use 3D cell culture in a universe of applications.



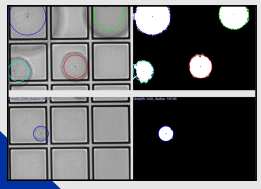
CellRaft AIR®
System

FOR MORE INFORMATION, VISIT
CELLMICROSYSTEMS.COM



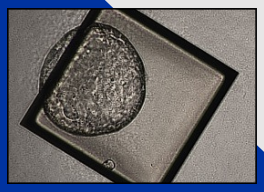
IMAGE

The AIR System has an effective magnification of 20x, providing rapid, clear, and detailed subcellular features visualization for phenotype-based imaging in brightfield and 3-channel fluorescence.



IDENTIFY

Using our CellRaft Cytometry™ software, users can automatically detect CellRafts containing organoids, allowing them to perform phenotypic characterization and select populations of interest for isolation.



ISOLATE

Perform automated release and transfer of intact, viable organoids. CellRafts containing target organoids are gently transferred to a collection plate for growth or downstream assessment.

The Next Generation of 3D Cell Culture

RECOVER INDIVIDUAL INTACT, SINGLE ORGANOIDS

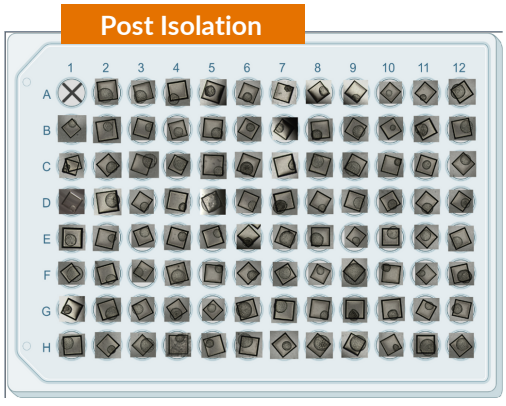


Illustration is a demonstration of viability and is not to scale.

Unique to our platform is the ability to perform automated isolation of live, intact organoids without fixation, dissociation, or damage to the 3D structure.

ORGANOID APPLICATIONS ENABLED BY THE AIR SYSTEM

- CRISPR & Clonal Organoid Development
- Transcriptomics
- Drug Efficacy & Toxicity Screening
- iPSC-derived Organoids

RECOMMENDED CYTOSORT® ARRAYS

3D CytoSort Array
500x500 micron microwells

CELL Microsystems®

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