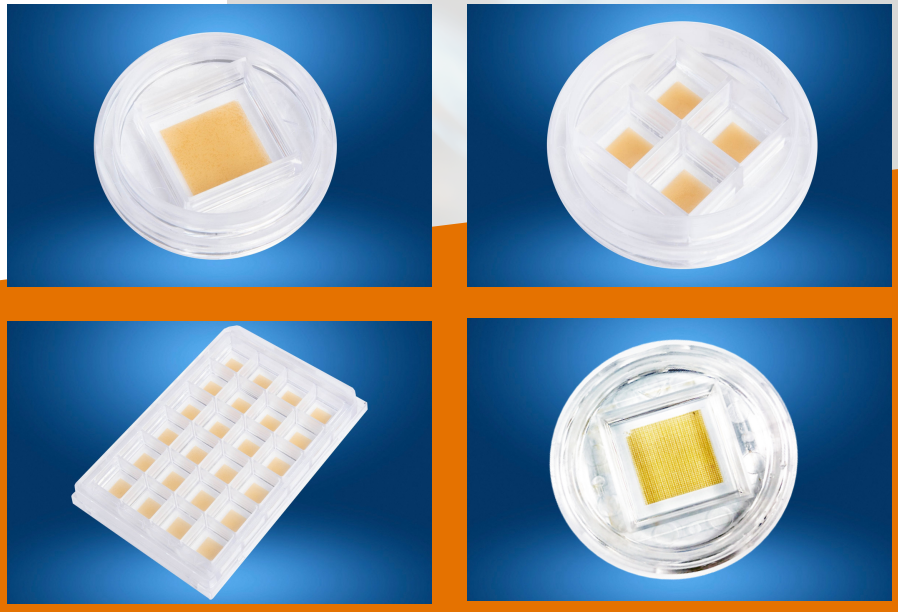
CELL Microsystems®

CytoSort® Arrays

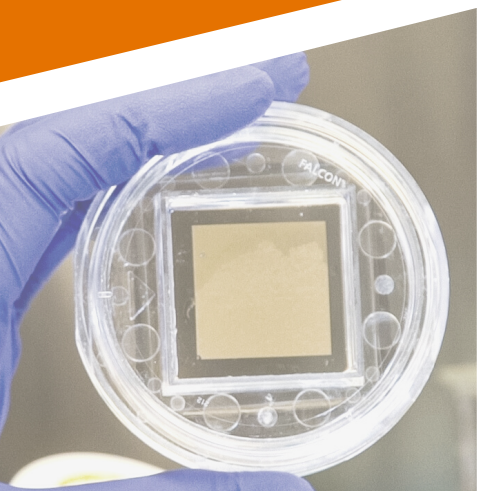
For use with the CellRaft AIR® System

LESS UPSTREAM EFFORT, MORE DOWNSTREAM DISCOVERY



THE PATH TO MORE DISCOVERY WITH

CytoSort® Arrays



MORE DATA WITH TRACK AND TRACE

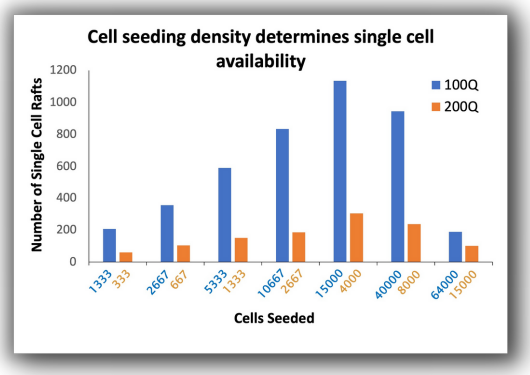
Match isolated CellRafts® to acquired images for better downstream results. Track and trace capabilities allow users to grow adherent cells on the array while providing a data record for changes over time.

MORE VIABILITY

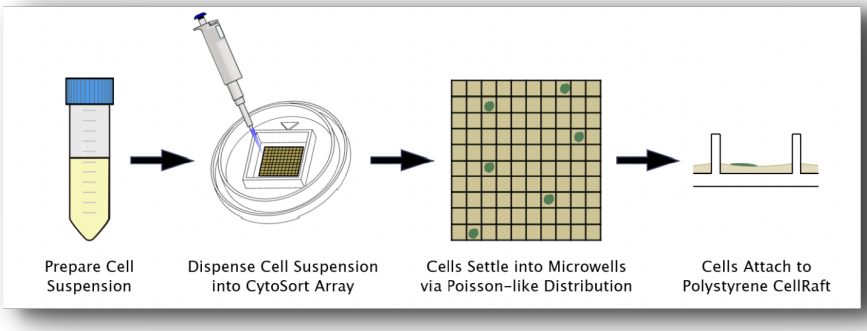
Cells are plated similarly to a standard tissue culture dish. The Arrays allow cells to condition a common culture media, resulting in higher viability than traditional methods.

MORE CELLS SCREENED

Analyze thousands of cells per array. Identify desired cells or colonies based on phenotype prior to isolation and avoid tedious multiwell plate culturing of single cells using dispensers or limiting dilution.

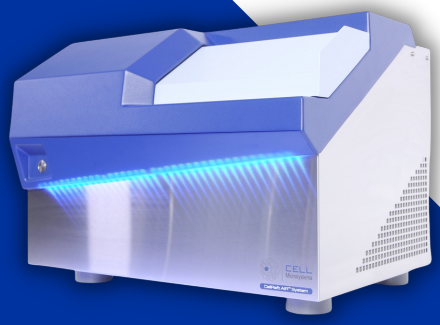


SEEDING CELLS ON A CYTOSORT ARRAY

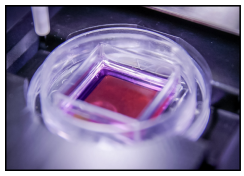


More clones with less upstream effort

The CellRaft AIR® System combines imaging, identification, and isolation in one instrument for more efficient workflows with no minimum sample size requirement.

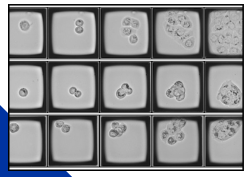


CellRaft AIR® System



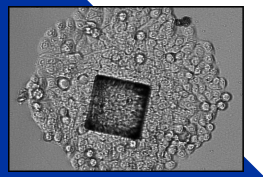
IMAGE

CytoSort Arrays are optically transparent for better imaging. Brightfield and fluorescence scanning provides detailed images of subcellular features in as little as six minutes.



IDENTIFY

Find the highest quality cells in real-time, ensure clonality, and track clonal colony growth over time.



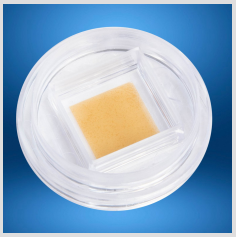
ISOLATE

Gently isolate viable cells in less than 40 minutes without trypsinization keeping native phenotypes.

CytoSort® Arrays

Available in seven formats to optimize specific application workflows and outcomes.

CytoSort Single Array



Our most versatile array, suitable for any application.

Sizes: 100 x 100 microns microwells
- 40k CellRafts Per Array

200 x 200 microns microwells
- 10k CellRafts Per Array

CytoSort Quad Array

Four individual reservoirs make this array the best choice for:
- Clonal expansion and colony selection for parallel gene editing and cloning
- Multivariable treatments and differing media applications

Sizes: 100 x 100 microns microwells
- 25,600 Per Array (6.4k per reservoir)

200 x 200 microns microwells
- 6,400 CellRafts Per Array (1.6k per reservoir)

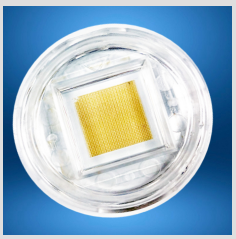
CytoSort HexaQuad™ Array

Up to 24 individual reservoirs make this array the best choice for:
- High throughput CRISPR screening, clonal expansion and colony selection
- On-array functional assays and dosing studies

Sizes: 100 x 100 microns microwells
- 153,600 CellRafts Per Array (6.4k per reservoir)

200 x 200 microns microwells
- 38,400 CellRafts Per Array (1.6k per reservoir)

3D CytoSort Array



Large service areas that allows cell growth up to 1 mm in diameter make this array best for:
- 3D structures, including organoids

Size: 500 x 500 microns microwells
- 2,114 CellRaft Per Array

FOR MORE INFORMATION, VISIT CELLMICROSYSTEMS.COM

CELL
Microsystems®

801 Capitola Drive
Suite 10
Durham, NC 27713
info@cellmicrosystems.com