

CytoSort Arrays

Imaging-based Sorting

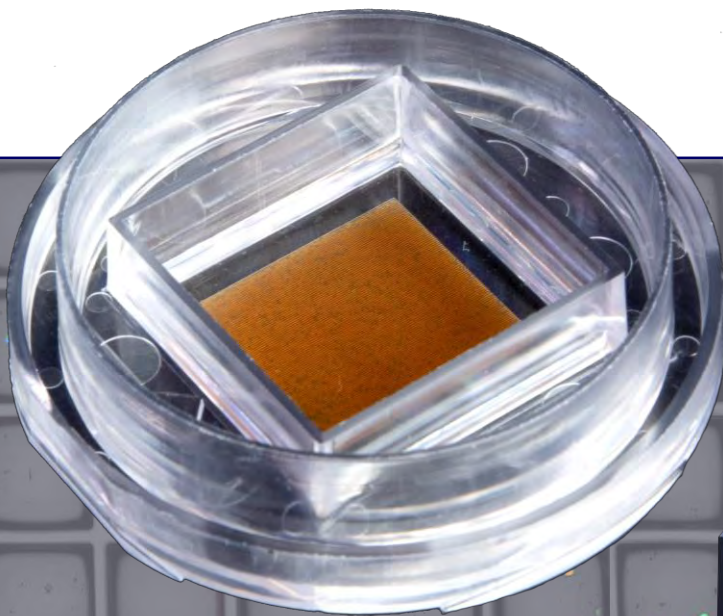
Sort cells by detailed phenotype on the CellRaft AIR™ System

Clonal Colony Growth

Culture single cells under standard conditions for time-course or cloning

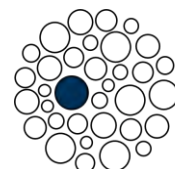
Unperturbed Phenotypes

Gentle, high-viability cell isolation via CellRaft Technology



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Seeding the CytoSort Array™



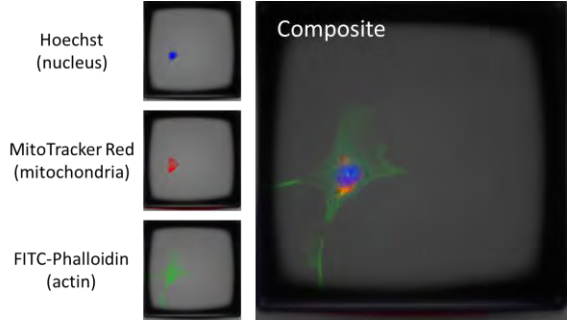
- Cells randomly distribute into the CytoSort Array microwells
- Seed the array with as few as 10's of cells
- CytoSort Arrays are compatible with most cell culture coatings.

Product	Microwells per Reservoir	Recommended Seeding Titer	Estimated Single Cells
CytoSort 100	40,000	15,000 - 25,000	5,000 - 12,500
CytoSort 200	10,000	4,000 - 6,000	1,500 - 3,000
CytoSort Quad 100	6,400	2,000 - 3,000	700 - 1,500
CytoSort Quad 200	1,600	500 - 1,000	150 - 500

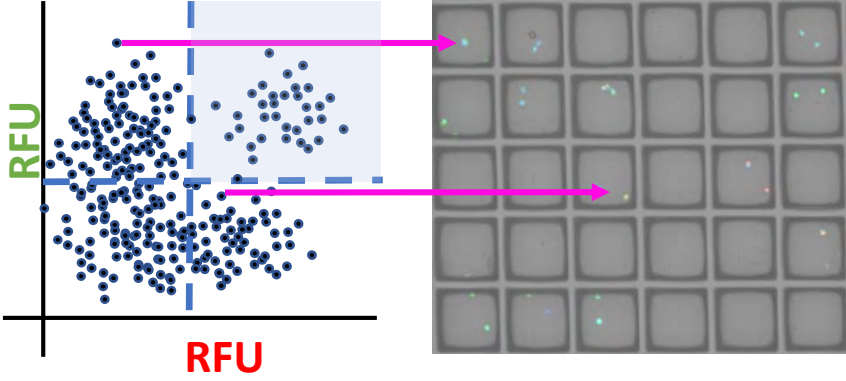
Imaging the CytoSort Array™



- Cell can be imaged on the CytoSort Array using the automated CellRaft AIR™ System or on standard laboratory microscopes.
- Arrays have low background to allow visualization of subcellular features
- CytoSort Arrays compatible with a broad range of fluorophores, dyes and antibody staining

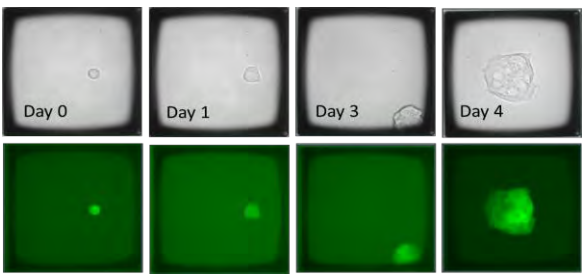


Sorting from CytoSort Arrays™



- Identify cell populations of interest using the AIR™ System software
- View images of cells during sorting to empirically validate phenotypes
- Sort cells by dynamic phenotypes using time-course imaging on the AIR™ System

Isolating from CytoSort Arrays™



- Isolate up to 96 CellRafts in a single run
- Collect viable single cells (Day 0 on left) or clonal colonies (Day 4 on left)
- Compatible with both 96-well plates for clonal colony culture and PCR strip tubes for single cell molecular analysis

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