

**Rapid screening, identification,
and isolation of rare cell variants**

Cyto-Mine®

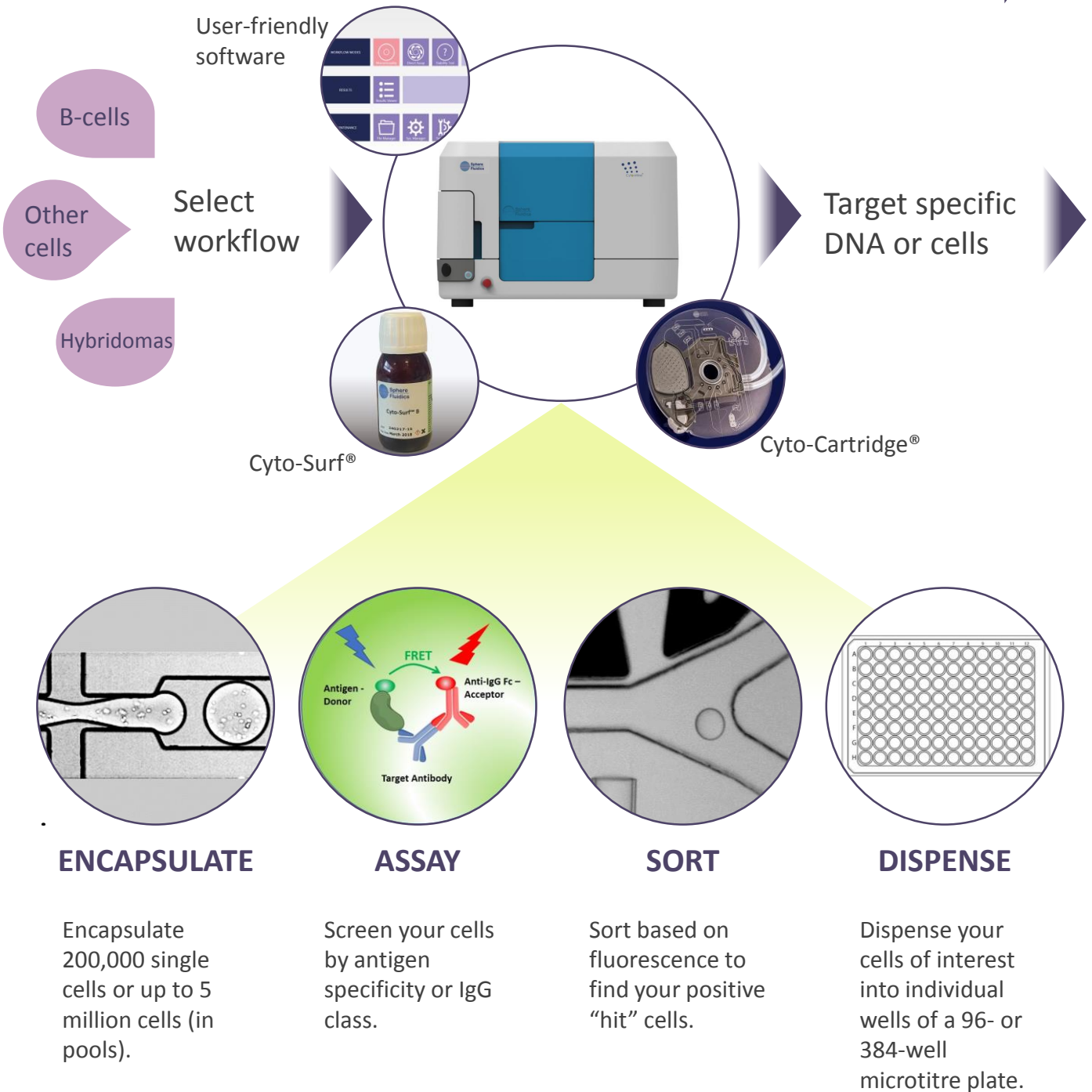
The Single Cell Analysis and Monoclonality
Assurance System

*Biopharmaceutical discovery and cell
line development workflows -
streamlined like never before.*

Accelerate your biologics discovery and cell line development workflows.

Reduce timelines. Increase screening capability. Deliver monoclonality.

Antibody Discovery



Available workflows:

1. **Direct Assay Mode** – Identify and clone the highest secreting cells.
2. **Monoclonality Mode** – Isolate and dispense single cells with visual monoclonality proof.
3. **Stability Test Mode** – Detect early onset of potential genetic drift of bulk cultures.

Cell Line Development

CHO cells

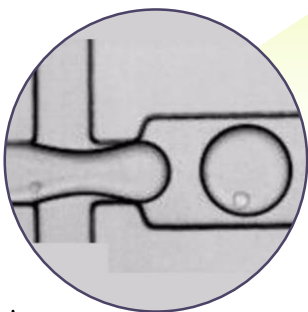
User-friendly software

Select workflow
(see above)

High producing candidate clones

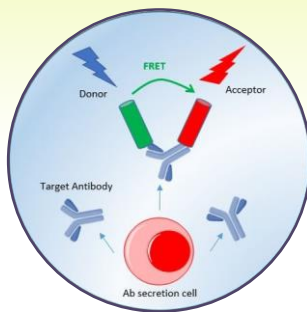
Cyto-Surf®

Cyto-Cartridge®:
Disposable and Animal
Origin Free



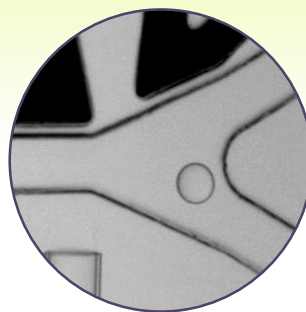
ENCAPSULATE

Encapsulate from 10,000 to 100,000 transfected cells.



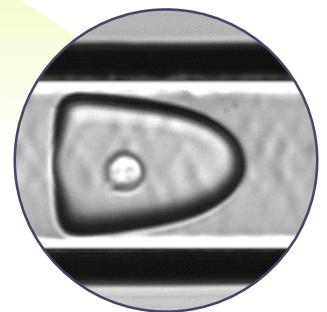
ASSAY

Screen your cells for target antibody titres or analyse cell lines to detect early onset of potential genetic drift.



SORT

Sort based on fluorescence to find your high producing candidate clones.



DISPENSE

Dispense your single cells of interest into individual wells of a 96- or 384-well plate.

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The Single Cell Analysis and Monoclonality Assurance System

The next generation platform set to transform biopharmaceutical discovery and cell line development workflows, specifically designed to automatically perform:



- high-throughput single cell encapsulation
- incubation followed by protein secretion assays
- rapid cell sorting
- dispensing of 'hit' single cells into microplates
- visual monoclonality verification

Product Ordering Information

Cyto-Mine® System

Cyto-Cartridge® Disposable Biochip

Cyto-Surf® Disposable Specialist Chemical

Cyto-Mine® System Installation and User Training



Contact us

Email: info@spherefluidics.com
 Web: www.spherefluidics.com

View a list of our current distributors on our website

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