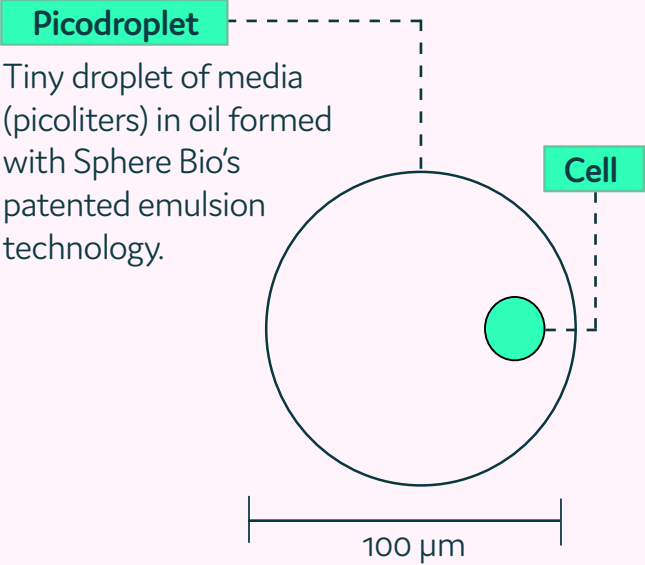


Cyto-Mine® CHROMA

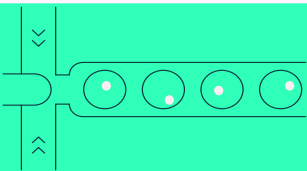


Scan for augmented reality
experience

Sphere Bio core technology - Picodroplets

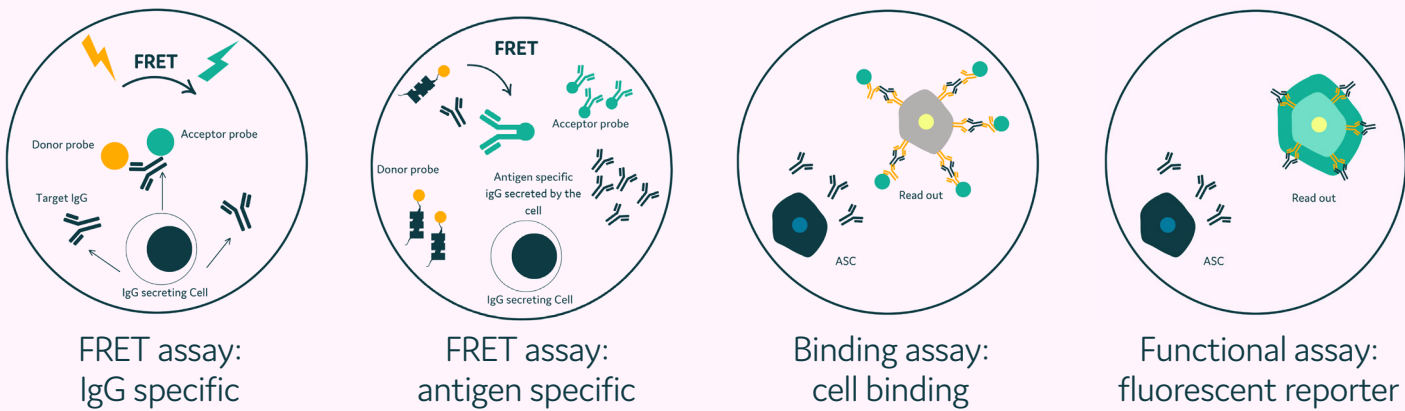


Features	Benefits
Gas permeable	Maintains cell viability
Cell Encapsulation	Analyze secreted proteins & antibodies
Picoliter sized	Allows for rapid detection of signals
Optically clear	Compatible with fluor-based molecular assays
Highly stable	Protects cell through assessment, sorting, and dispensing



Picodroplets provide an ultra-miniaturized reaction vessel, containing media, reagents and cells, that allows large-scale experiments at the single cell level.

Bioassays in picodroplets



Secreted Targets

Surface Targets

A variety of assays can be performed in picodroplets, enabling dramatically reduced incubation times and throughput of 10s of millions of cells.



Automated screening of live single cells with Cyto-Mine[®] Chroma

Picodroplet technology for biologists, not microfluidics experts.

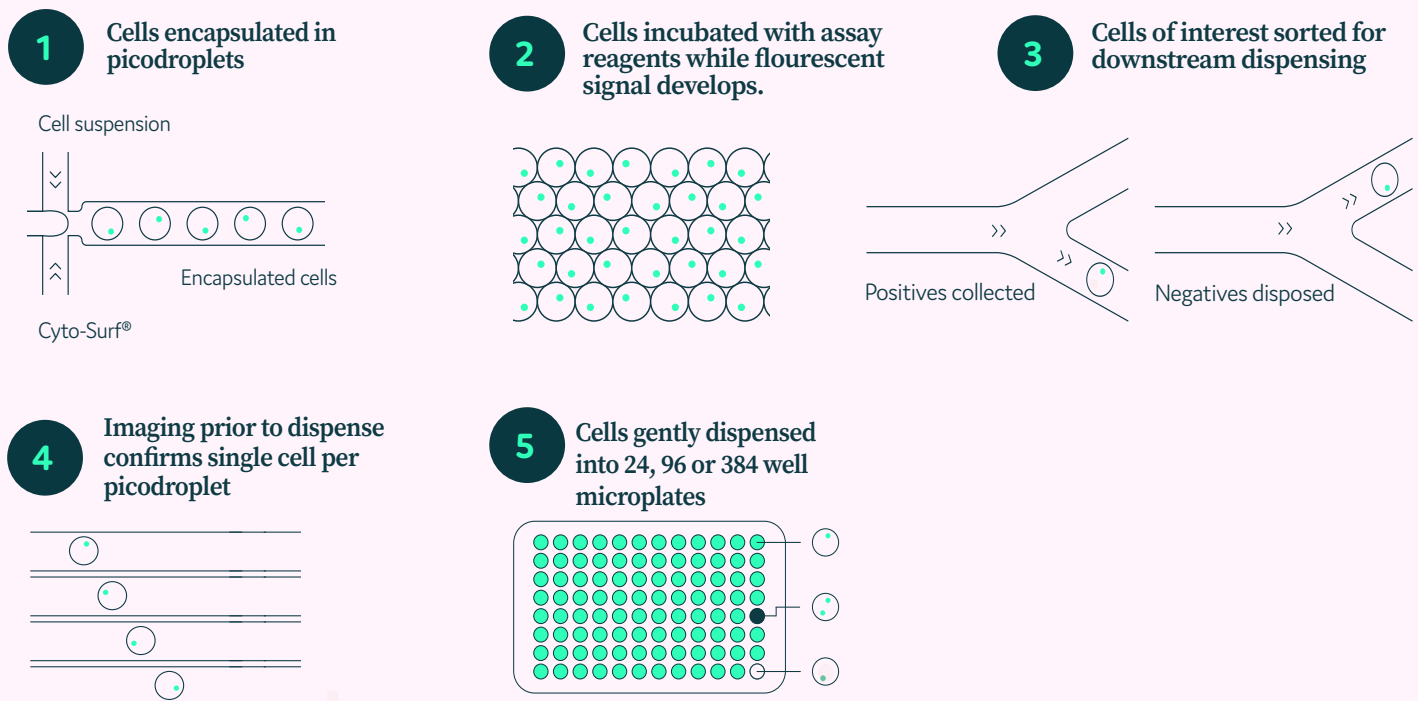


Cyto-Mine[®]
CHROMA

- ✓ **High Throughput** - Functionally analyze hundreds of thousands to millions of cells in a single day.
- ✓ **Enhanced Detection** - Ability to detect secreted cellular products.
- ✓ **Multiplexing Capable** - Up to four lasers and detectors allow for multiple fluor based readouts.
- ✓ **Easy to Use** - Easy to use controls allow quick setup and execution.
- ✓ **Automated Design** - Automatically encapsulates, analyzes, sorts, and dispenses single viable cells.

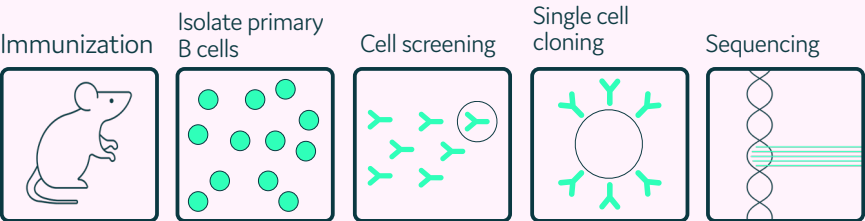
Integrated Workflow

A fully integrated workflow for encapsulating single cells, sorting them by fluorescent markers, and dispensing with monoclonality assurance and industry-leading cell viability.



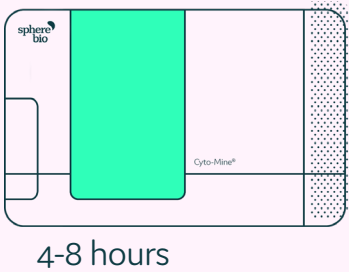
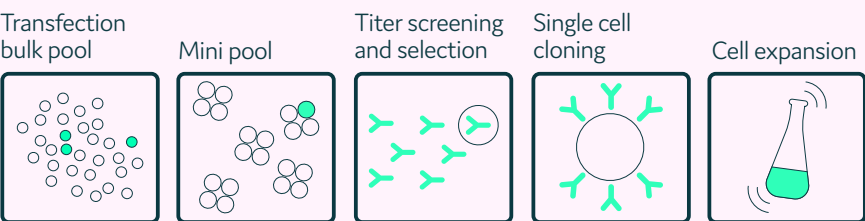
Reduce months of work to days with Cyto-Mine® Chroma

Antibody Discovery



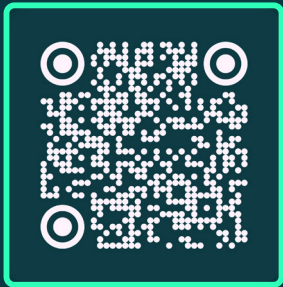
Screen and select single cells in just **1 day**

Cell Line Development



Combining the advantages of picodroplets with advanced automation, Cyto-Mine® Chroma enables screens to be performed in **1 day rather than 2 months**.

Explore antibody discovery app notes



Explore cell line development app notes



Learn more about our products

