

# High Throughput Suspension Cell and Bead Analysis

Intellicyt® iQue Screener PLUS – the fastest path to actionable results

The Intellicyt® iQue Screener PLUS is an integrated instrument, software and reagent platform for rapid, high content, multiplexed analysis of cells and beads in suspension. The combination of speed, miniaturization, powerful data analysis and visualization give you actionable multi-parametric data from a few microliters of sample, in record time.

## The Intellicyt Advantage

### Speed

Fastest plate processing (384-well plate in 15 minutes), mix-and-read assays, and automated plate based analysis.

### Miniaturization

Conserve reagents and precious cells by reducing assay volumes to microliters.

### Content

Perform high content, multiplexed analysis of cells, beads and secreted proteins in suspension.

### Usability

Enjoy walkway automation and comprehensive analysis/visualization tools.

### Insight

Dynamically visualize results to make more informed decisions faster.



## Streamlined Workflow



1

### Assay setup

- Validated mix-and-read kits and reagents
- Easy assay development with templates
- 96/384/1536 well formats



2

### Sample Loading

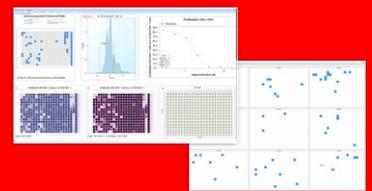
- Compatible with robotic plate loading
- Automated user defined sample volume, shaking, washing and cleaning
- Extended run times with hot swapping fluidics



3

### Acquisition & Analysis

- Simultaneous data acquisition and analysis
- Comprehensive and intuitive plate-level analytics
- Locate wells of interest by combining multiple parameters

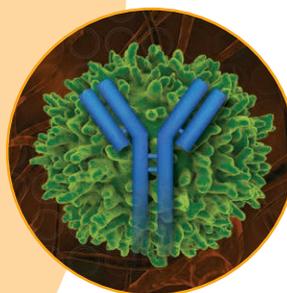


4

### Visualization

- Linked plots, heat maps, dose response curves
- Compare identify and rank wells across all plates in an experiment
- Get actionable results faster

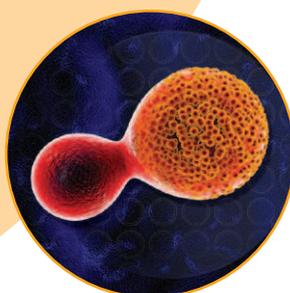
# Applications for the Intellicyt® iQue Screener PLUS



## Antibody Discovery & Development

Increase data throughput and quality by multiplexing antibody binding, function, and titer across the process.

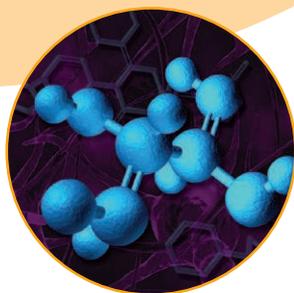
- Antibody screening
- Functional Profiling
- Cell line development



## Adoptive Cell Therapy

Assess multiple cell parameters faster, with fewer cells and less reagents.

- Immune cell killing
- Immune cell assessment
- Cytokine profiling



## Small Molecule Discovery

Perform high-content phenotypic profiling of immune biology across the drug discovery process.

- Primary immune cell screening
- Yeast and bacterial assays
- Target identification with siRNA and CRISPR

"The iQue Screener will scale our project throughput in a way that would have been impossible using our current methods."

– Matt Johnson, PhD,  
CTO Avacta Life Sciences

## To place an order or request additional information

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**intellicyt**<sup>®</sup>

A SARTORIUS BRAND

[www.intellicyt.com](http://www.intellicyt.com)

## Ordering information

Product Description	Cat. No.
iQue® Screener PLUS 220V Blue-Red Configuration	91221
iQue® Screener PLUS HD 220V Blue-Red Configuration	91204
iQue® Screener PLUS 220V Violet-Blue-Red Configuration	91059
iQue® Screener PLUS 220V Violet-Yellow-Blue Configuration	91219