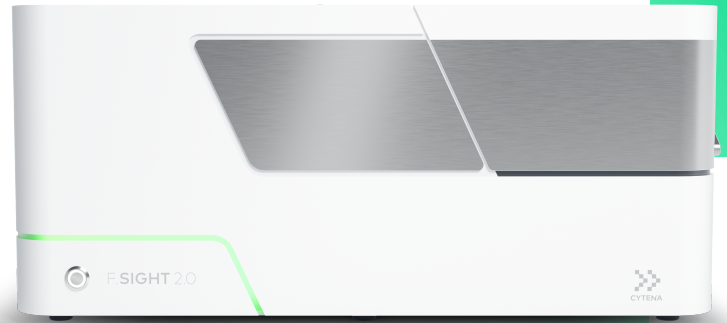


# F.SIGHT™ 2.0

## Precise and Accurate Single-Cell Dispensing with Fluorescent Sorting for Cell Line Development



The F.SIGHT 2.0 is a highly efficient and gentle single-cell dispenser with fluorescent sorting. Streamline your workflows from monoclonal cell culture development for biopharmaceutical manufacturing to single-cell assays for basic scientific research with its ultrafast dual-camera system for simultaneous brightfield and high-resolution fluorescent imaging.



### **Fast and accurate single-cell dispenser:**

Single cells are gently dispensed into a 96-well plate in under 2 minutes or into a 384-well plate in under 7.



### **No risk of contamination:**

Eliminate the risk of cross contamination with single-use EASY.ON cartridges.



### **Cell Focusing technology:**

Align cells at the center of the dispensing cartridge for even better handling and processing of delicate samples.



**Assurance of single-cell isolation:** Capture nozzle images for every dispensing run to confirm that only single cells were dispensed on the plate.



**Gentle single-cell dispensing:** Handle and isolate delicate cells of interest with our no-pressure dispensing, minimizing the stress inflicted on cells.



**Dual imaging system:** Overlay both brightfield and fluorescent images for precise identification of your cells of interest. Both cameras can be controlled independently and the power of the built-in blue laser is adjustable. Combined, their high dynamic range visualizes even the weakest fluorophores.

## Next-Gen Fluorescent Single-Cell Dispensing & Imaging

- ✓ Dispense a 384-well plate in under 8 minutes
- ✓ Non-contact dispensing of single-cells
- ✓ Precisely and gently dispense single cells
- ✓ Assurance of single-cell dispensation via brightfield and fluorescent imaging

## Impact Areas

- ✓ Cell line development
- ✓ Gene therapy and viral vector production
- ✓ Cell therapy and stem cell-based research
- ✓ CRISPR gene editing
- ✓ Exosome manufacturing



Intrigued? Get in touch.



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



[sales@cytena.com](mailto:sales@cytena.com)

**CYTENA**   
A BICO COMPANY

## Technical Specifications

Samples	Eukaryotic cells
Cell size	5 - 40 µm
Sorting	Cell morphology and fluorescence
Droplet volume	~200 pL
Substrate	96- and 384-well plates
Nozzle imaging	Camera CMOS Magnification 10x Dual-channel: Brightfield and fluorescence
Fluorescence nozzle imaging	Ex. 488 nm Em. 520 +/- 36 nm
Processing times	Single-cell dispensing 96-well plate: ~ 2 min Single-cell dispensing 384-well plate: ~ 8 min
Cartridge	EASY.ON 40 µm disposable cartridge to avoid cross-contamination
Automation	Lid opening and closing Compatible with standard automation arm and gripper Compatible with third-party automation clients
Embedded computer	Windows
Compatibility	Standard biosafety cabinets class 2
Footprint	635 x 400 x 286 mm
Weight	40 kg
Certification	CE, CB, UL (TÜV), RoHS

## Resources

Learn more about the power of the platform



Tool &  
Calculators



Application  
Notes



Wall of  
Love



Intrigued? Get in touch.



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



[sales@cytena.com](mailto:sales@cytena.com)

**CYTENA**   
A BICO COMPANY