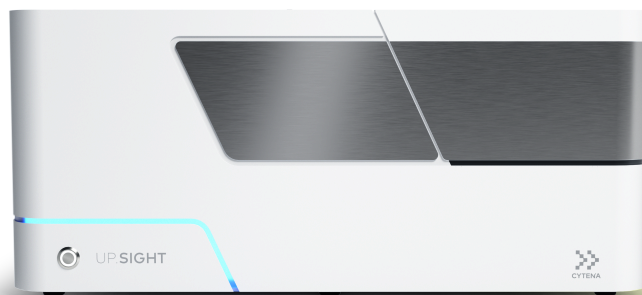


2<sup>nd</sup> Generation

UP.SIGHT™

# Welcome To A New Era In Cell Line Development



Time to level up your cell line development with the industry's most advanced and capable single-cell dispenser and imager. You get best-in-class dispensing efficiency, clonal recovery rate, throughput, speed, precision, and user-friendly automation that integrates easily into your GMP-compatible workflows.



**Clonal derivation - double assured:** Two independent imaging systems ensure monoclonality for complete confidence.



**Zero risk of contamination:** Single-use EASY.ON cartridges eliminate any risk of cross contamination.



**Fast and gentle dispensing:** The system gently dispenses single cells into 384-well plates in ~8 minutes and into 96-well plates in ~2 minutes.



**Measure titer and select clones:** F.QUANT titer assay quantifies antibodies, Fc fusion proteins or Fab fragments to select high-producing clones, every time.



**Assess clonal growth:** Well bottom imaging tracks colonies by confluency measurement or cell count, whether you work with adherent or suspension cells.



**Smart analysis software:** C.STUDIO software, co-developed with UP.SIGHT, manages all your data, from single-cell dispensing up to growth measurements, titer evaluation, and clone picking.



**Minimize cell loss:** Cell focusing technology aligns cells at the center of the dispensing cartridge so you never miss a cell.



**Fits in anywhere:** Small in size, but mighty in function, UP.SIGHT fits right inside your biosafety cabinet, ready to dispense cells in sterile settings.



**Works with your workflow:** Single-use cartridges and FDA 21 CFR Part 11 compliance compatible software means UP.SIGHT easily fits into your GMP workflow.

## Seed. Select. Succeed.

- ✓ >97% single-cell dispensing efficiency
- ✓ >99.99% probability of clonal derivation
- ✓ Up to 80% clonal recovery rate
- ✓ Titer measurement with F.QUANT
- ✓ Confluency analysis and cell count
- ✓ C.STUDIO - powerful and user-friendly data analysis platform

## Impact Areas

- ✓ Monoclonal antibody development
- ✓ Cell therapy & stem cell research
- ✓ Gene therapy
- ✓ Genetic engineering
- ✓ Monoclonal cell culture
- ✓ Automated cell line development



Intrigued? Get in touch.



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# Technical Specifications

Samples	Eukaryotic cells
Cell size	5 – 40 µm
Sorting	Cell morphology and fluorescence
Cartridge	EASY.ON 40 µm disposable cartridge to avoid cross-contamination
Droplet volume	~200 pL
Plate types for dispensing	96- and 384-well plates
Nozzle imaging	Camera CMOS Magnification 10x Dual-channel: Brightfield and fluorescence
Fluorescence nozzle imaging (laser-based)	Ex. 488 nm Em. 520 +/- 36 nm
Well imaging	Camera CMOS Magnification range for 384-well to 6-well plates: 2.4x (resolution 4 µm/px) to 2.2x (resolution 4.36 µm/px) Brightfield
F.QUANT-based titer measurement (optional; LED-based)	Ex. peak 634 nm (50% Bandwidth: 626 – 642 nm) Em. 666-723 nm
Dispensing times	Single-cell dispensing 96-well plate: ~2 min Single-cell dispensing 384-well plate: ~8 min Single-cell dispensing plus 3D well imaging 384-well plate: ~35 min
Plate types for well bottom imaging	6-, 12-, 24-, 48-, 96-, 384-well plates
Well bottom imaging time	~6 min per plate
F.QUANT-based titer measurement time (optional)	~9 min per plate
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 282 mm
Weight	40 kg
Certification	CE, CB, UL (TÜV), RoHS

## Resources

Learn more about the power of the platform



Intrigued? Get in touch.



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