

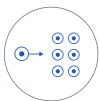


cellenONE BSC

Precision & protection
for automated single
cell cloning & omics.



Class II Biosafety
Cabinet for sterility



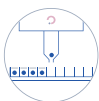
Best clonal
outgrowth rate



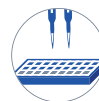
Zero running
costs



100% single cell



Fluorescence and
brightfield
image-based sorting



Combined with
nanoliter dispensing





Applications

These are the main applications enabled by cellenONE today. Get in contact with our R&D to help you with your own single cell application needs.



Cell line development (CLD)



Single cell omics



Bioassay miniaturization



Single cell cloning



Cell sorting



Custom applications

cellenONE BSC benefits

- Proven absence of contamination
- Best-in-class clonal outgrowth rate thanks to ultra-gentle cell dispensing
- Proof of monoclonality thanks to imaging technology
- Multi-parameter fluorescence and brightfield image-based cell sorting
- Any type of cell, from microbial cells to large cells (0.5µm – 80µm)
- All-in-one single cell sorting and isolation, along with nanoliter dispensing
- Cost saving sample preparation as a result of the miniaturization of the workflows in microchip
- Isolation of hundreds of cells in only few minutes
- Compatible with any multiwell plate (96, 384, 1536 wells)



Features & Options

- Fully documented with automated PDF report generation
- Post-isolation QC with statistics and image annotation tool
- Cooling/Heating unit for source plate and target holder
- Sorting of exotic cell(s) – cellenONE plus
- Automation enabled thanks to the API
- High precision dispensing using fiducial recognition
- Compatible with any consumable format, thanks to custom-holders
- Customization of software and hardware

Technical Specifications

Field of application	Cloning & omics
Sorting technology	Multi-parameter fluorescence (4 channels) and brightfield imaging
Dispensing technology	sciDROP PICO: 250-600 pL / single drop
Spottable area	252 x 112 mm
Target capacity	2 Microplates or 8 standard glass slides
Axis precision	< 10 µm
Dimensions with enclosure (L x W x H)	1300 x 750 x 2330 mm
Weight	535 kg

Want to see
it in action?

Book a demo
through our
website.

Contact Us

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