

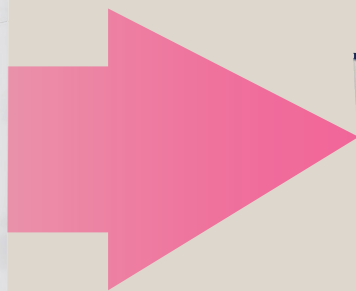
CELLEN ONE[®]

systems for
Cell Line Development

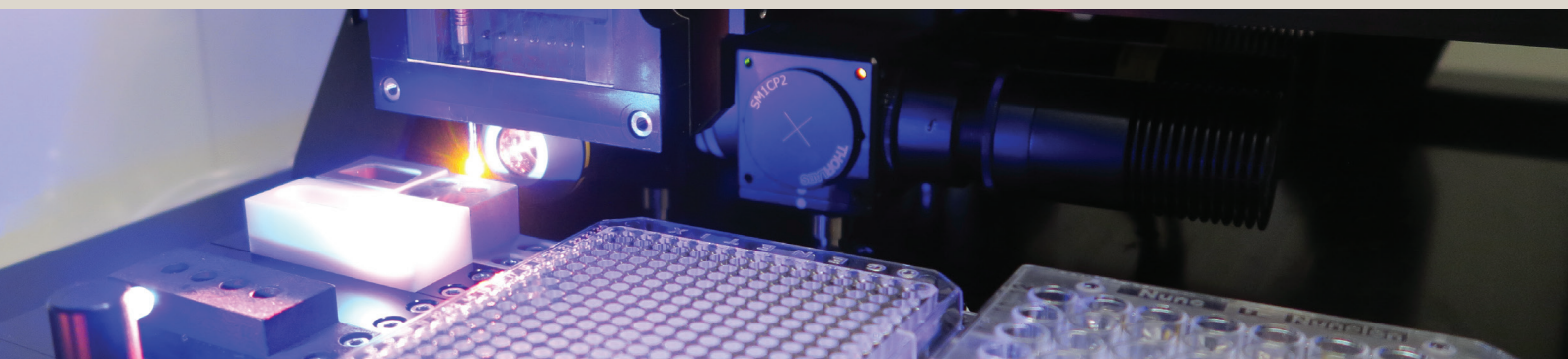
A scalable range of single cell solutions for Cell Line Development, from proof of concept to fully-automated large-scale bioproduction



**10-20 plates a day
fully-automated**



**100+ plates a day
fully-automated**



About cellenONE®

The main limitations associated with Cell Line Development (CLD) include selecting and isolating cells of interest, maintaining cell viability, and ensuring monoclonality of isolated cells.

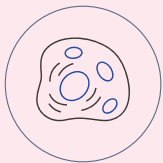
cellenONE® is a unique platform combining image-based cell selection with ultra-gentle acoustic-based dispensing technology, enabling high accuracy single cell isolation. Unlike cell sorters that induce a lot of stress on cells and thus affect viabilities, automated cloning using cellenONE® provides unprecedented clonal outgrowth with most cell lines.



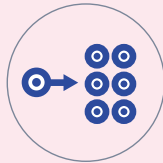
Accelerate your CLD workflows with high confidence

cellenONE® technology enables

- Selection of cells of interest, single cell isolation with assurance of monoclonality
- Best-in-class clonal outgrowth
- Fully scalable, from 100 to 10,000's clones per day



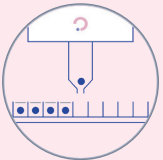
Up to 100%
single cell
accuracy



Best clonal
outgrowth rate



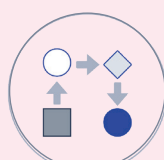
Optional integration
in Class II Biosafety
cabinet for sterility



Fluorescence &
Brightfield
image-based
sorting



Image recording
for every cell ensures
monoclonality



Full automation
possible

A range of solutions tailored to your needs



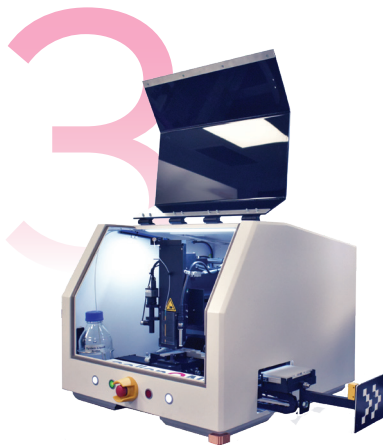
cellenONE®

Get started with CLD
workflows in the lab



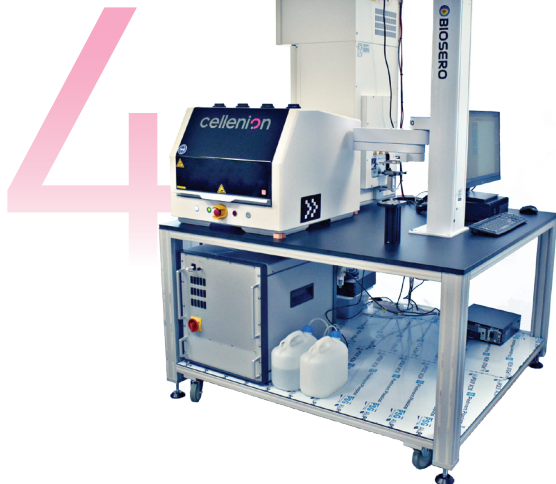
cellenONE® BSC

For highly regulated environments



cellenONE® HT

Plate shuttle & API for seamless
system integration



Automated CLD Platform

Standard or custom configurations

Benefit from our bioautomation expertise.

All versions of our cellenONE® platforms offer:

Accuracy

- Up to 100% single cell accuracy (no doublet, no empty well, no debris), leading to true single cell assays while reducing consumables and reagent consumption

Image-based technology

- User-defined sorting parameters (morphology and/or fluorescence markers) to select only cells of interest
- Increased assurance of monoclonality – fully documented with automated PDF report generation

Viability

- Ultra-gentle dispensing technology offers best-in-class clonal outgrowth on most cell lines
- Temperature control improves fragile cells' viabilities (e.g. iPSC)

Versatility

- Any cell type from 0.5 µm to 80 µm
- Compatible with 96-, 384-, 1536-wp
- Multiple samples to multiple plates

Automation

Cellenion provides both turnkey and custom solutions tailored to customers' needs.

Whether you want to integrate cellenONE® in your own automated system, or want to benefit from our scientific & automation expertise to set up together the ideal workflow for your cell line development, we have a solution for you!

For more information on how the cellenONE® technology works, read our dedicated brochure:

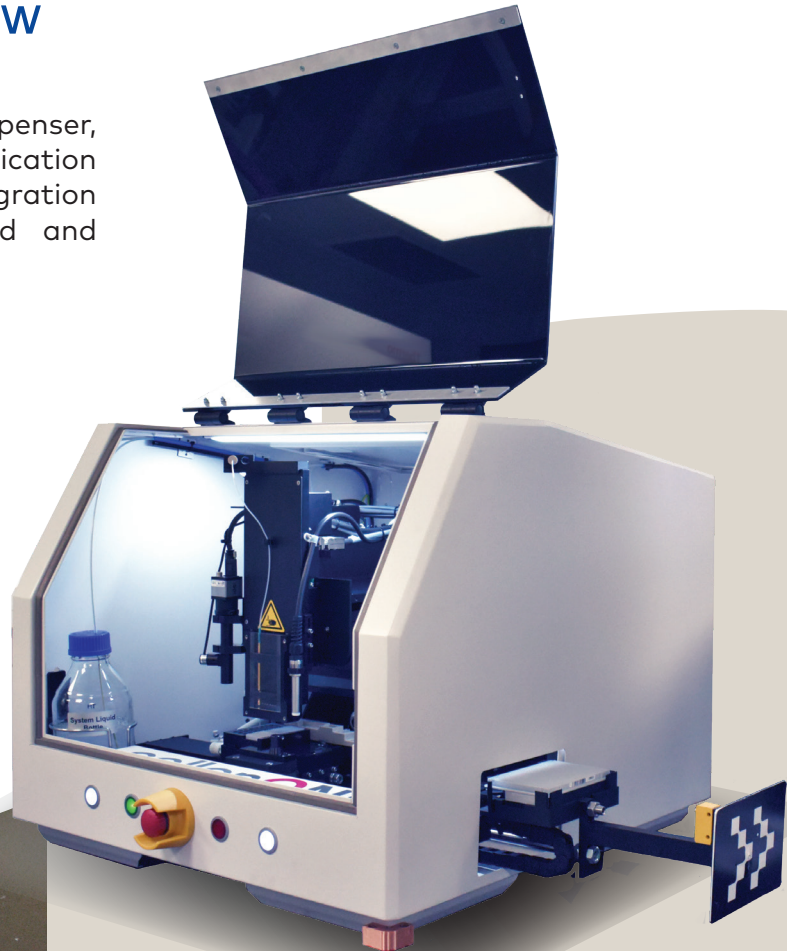


CELLEN ONE HT

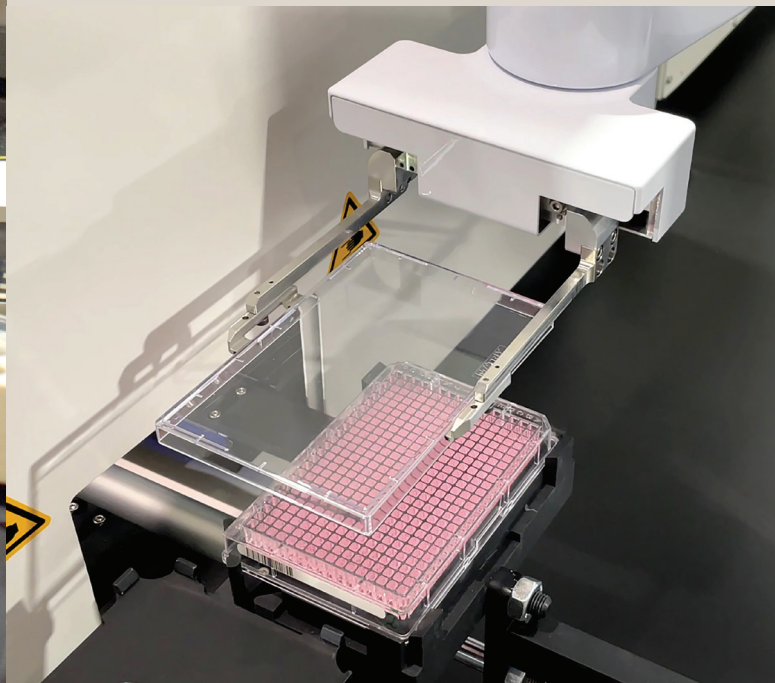
Implement our unique technology
into any automated workflow

cellenONE® HT is a **cellenONE®** single cell dispenser, engineered with a plate shuttle and API (Application Programming Interface) to enable seamless integration with other instruments for fully automated and walkaway workflows.

- All the advantages of cellenONE® technology
- Automated sample loading
- Plate shuttle
- API for seamless system integration (compatible with any integrator)



Integrate the best single cell
isolation technology within your
own automated platforms



The power of bioautomation: fully automated CLD platform

Cellenion offers its scientific and engineering expertise to integrate cellenONE® HT with third-party instruments and therefore provide a fully automated CLD platform tailored to users' needs.

Such a platform is a true walk-away solution for high throughput monoclonal cell line development. It empowers pharmaceutical and biotech companies that require precision and automation in their single cell workflows for stable cell line development.

Standard configuration:

- cellenONE® HT
- Robotic arm
- Barcode reader
- Incubator
- Fully automated with preconfigured scheduler software (Biosero Green Button Go)

Custom configuration:

- cellenONE® HT
- Any other third-party instruments relevant to your particular workflow
- Fully automated with preconfigured scheduler software



**Discuss with our experts
and let's develop today the
workflow that will make
the difference tomorrow!**

Do you want to see
our Automated CLD
platform in action?
**Book a demo through
our website:**



Revolutionizing Cell Line Development

Low autonomy

High autonomy

High precision



cellenONE®
(Standalone)

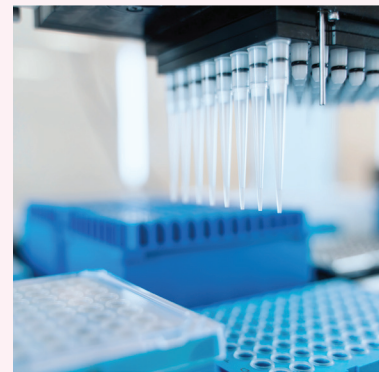


cellenONE® HT
Automated CLD Platform
(Integrated)

Low precision



Limiting dilution
(manual)



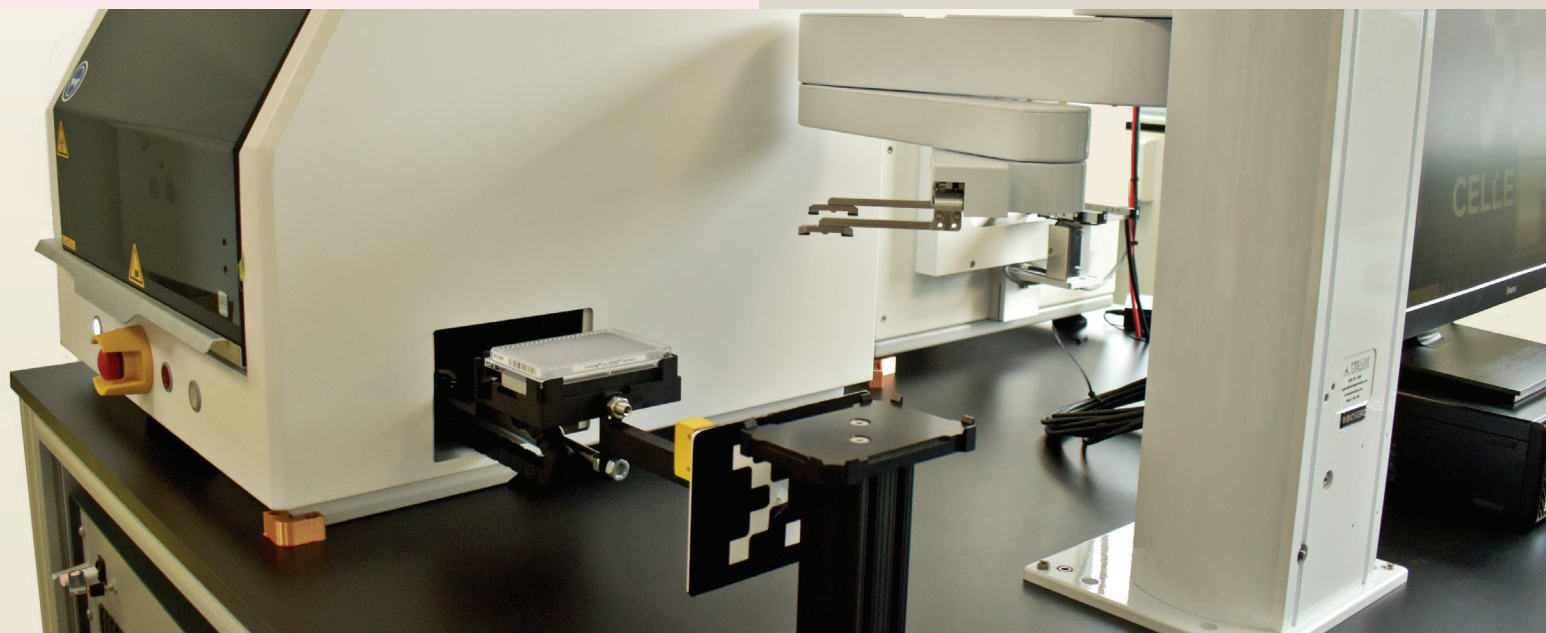
Limiting dilution
(automated)

Finally, the solution the pharma industry has been waiting for to automate their CLD processes.

Do you want to learn more or evaluate a specific system from the cellenONE® product line?
Visit our website.



**JOIN THE
BIO-CONVERGENCE
REVOLUTION >>**



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