

# cellenONE<sup>®</sup> X1

SINGLE CELL ISOLATION AND NANOLITER DISPENSING SOLUTION



mAb



Stem Cells



CRISPR/CAS9



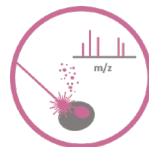
scRNA-Seq



scATAC-Seq



scWGS



scMS

LOW VOLUME, HIGH VIABILITY & PRECISION SINGLE CELL ISOLATION  
FOR SEQUENCING... FOR CELL LINE DEVELOPMENT... AND MUCH MORE

## Product Description & Benefits

cellenONE X1 is a unique single-cell isolation and dispensing technology. It allows high throughput automated dispensing of individual cells from cell suspensions into any substrate of your choice.

### Accuracy

Up to 100% single cells, forget Poisson distribution

### Versatility

Cell types & concentrations. Nanoliter dispenser

### Recovery

Small dead volumes & high recovery rate, thus ideally suited to rare or precious cells

### Viability

No toxicity on dispensed cells, allowing further downstream work

### Open-platform

Dispense into/onto any types of wells or consumables (PCR plate, SBS microplates, microwells)

## Applications



MAb



STEM CELLS



CRISPR/CAS9



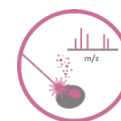
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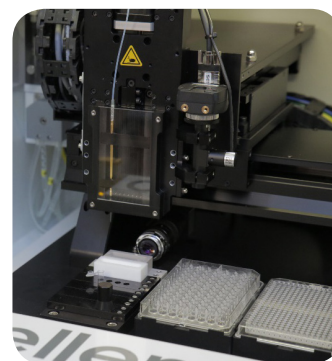
## Options & Software

Environmental Control  
Nanodispensing  
Customization  
Software  
Services

Temperature, Humidity and Dew Point Control  
2<sup>nd</sup> channel for Nanoliter dispensing  
Customized Holders for microwell chips  
Fiducial recognition and automated target alignment  
Advanced application support

## Technical information

Dispensing technology	Piezo acoustic drop-on-demand
Dispense volume	50-800 pL per drop
Drives	Linear for X/Y & Spindle for Z
Resolution	1 µm
Accuracy (Absolute Position)	< 10 µm
Precision (Repeat Position)	< 3 µm
Camera	HD Vision for cells or particles < 5µm
Max. speed	100 cm/sec
Spottable area (mm)	x=180 y=120 (2 microtiter plates)
Dimensions LxWxH (mm)	650 x 700 x 1590 -> including monitor's arm L = 1300 -> with hood open H = 2050
Weight	205 kg
Voltage	110 V; 220 V



### Also available

cellenBEADS for calibration  
cellenWASH for sterilization  
cellenVIALS for recovery

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