

cellenONE[®] X1

SINGLE CELL ISOLATION AND DISPENSING SOLUTION



mAb



Stem Cells



CRISPR/CAS9



scRNA-Seq



scATAC-Seq

LOW VOLUME, HIGH VIABILITY & PRECISION SINGLE CELL ISOLATION

FOR CELL LINE DEVELOPMENT... SEQUENCING... 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



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Options & Software

Camera
Environmental Control
Nanodispensing
Customization
Software
Services

cellenONE HD Vision upgrade for cells or particles < 5µm
Temperature, Humidity and Dew Point Control
2nd 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
Max. speed	100 cm/sec
Spottable area (mm)	x=180 y=120 (2 microtiter plates)
Dimensions LxWxH (mm)	740 x 750 x 1580 -> including monitor's arm L = 1260 -> with door open H = 1970
Weight	205 kg
Voltage	110 V; 220 V



Also available

cellenBEADS for calibration
cellenWASH for sterilization
cellenVIALS for recovery

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