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)

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**Options & Software**

- **Environmental Control**
  - Temperature, Humidity and Dew Point Control

- **Nanodispensing**
  - 2nd channel for Nanoliter dispensing

- **Customization**
  - Customized Holders for microwell chips

- **Software**
  - Fiducial recognition and automated target alignment

- **Services**
  - Advanced application support

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**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)
  - 650 x 700 x 1590
  - -> including monitor’s arm L = 1300
  - -> with hood open H = 2050

- **Dimensions LxWxH (mm)**
  - 205 kg

- **Weight**
  - 110 V; 220 V

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**Applications**

- **MAb**
- **SCICELLS**
- **CRISPR/CAS9**
- **scRNA-Seq**
- **scATAC-Seq**
- **scWGA**
- **scMS**

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Also available

cellenBEADS for calibration
cellenWASH for sterilization
cellenVIALS for recovery

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**cellenion ENHANCING LIFE**