CELLENION A BICO COMPANY

CELLUEN ONE BSC

Precision & protection for automated single cell cloning & omics.
About cellenONE®

cellenONE® is a unique platform combining high accuracy single cell isolation and precision nanoliter reagent dispensing, allowing miniaturization of a range of single cell omics protocols and enabling automated cell line development workflows with best-in-class clonal outgrowth.

cellenONE BSC benefits

- Protection of the operator, the sample, and the environment provided by the integration into a class II biosafety cabinet
- Proof of monoclonality in account 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

Hardware

- Ultra-gentle dispensing technology offers best-in-class clonal outgrowth
- Temperature control improves fragile cells' viabilities
- Compatible with any labware, standard and custom
- Recovery tube collects all non-isolated cells for reprocessing, enabling maximal recovery of precious samples

Software

- User-defined sorting parameters (morphology and/or fluorescence markers)
- Increased assurance of monoclonality - fully documented with PDF report generation
- Post-isolation QC with statistics and image annotation tools
- Images of all isolated cells are saved - link phenotypic and morphological information with omics data
## Technical Specifications

<table>
<thead>
<tr>
<th>Field of application</th>
<th>Cloning &amp; omics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sorting technology</td>
<td>Multi-fluorescence &amp; brightfield imaging</td>
</tr>
<tr>
<td>Dispensing technology</td>
<td>Non-contact dispensing, single drop on demand from 250 - 600 pL with a CV &lt; 0.2%</td>
</tr>
<tr>
<td>Spottable area</td>
<td>252 x 112 mm</td>
</tr>
<tr>
<td>Target capacity</td>
<td>2 Microplates or 8 standard glass slides</td>
</tr>
<tr>
<td>Axis precision</td>
<td>&lt; 10 µm</td>
</tr>
<tr>
<td>Dimensions with enclosure (LxWxH)</td>
<td>1300 x 750 x 2330 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>535 kg</td>
</tr>
</tbody>
</table>