

# **SIMPLIFY** YOUR SINGLE CELL WORKFLOW LIKE NEVER BEFORE.

Meet Tecan's Uno Single Cell Dispenser™



## SIMPLIFY YOUR SINGLE CELL WORKFLOW WITH TECAN'S UNO SINGLE CELL DISPENSER

Tecan's Uno Single Cell Dispenser is an automated benchtop instrument designed for ease of use, efficiency, and precision in single-cell workflows. Uno empowers a wide range of single-cell applications across the "-omics" landscape, including MS-based single-cell analysis, iPSC libraries, 3D cell research, cell-line development, and beyond.

With Uno, you can achieve accurate, viable, and precise single-cell dispensing, managing reagent volumes from picoliters to microliters within minutes.



### Your needs at the core



**Simple and accessible benchtop solution for labs of any size.**

Integrate intuitive software and compact hardware at a competitive price without compromising on performance.



**Fast and precise dispensing saves reagents with picoliter-level accuracy.**

Isolate single cells in ~5 minutes<sup>1</sup> and dispense reagents in under three minutes across a 384-well plate.



**Reliable dispensing process for reproducible results.**

HP's proven microfluidic digital dispensing technology, a choice trusted by 1,000+ industry-leading customers.



**Gentle single-cell dispensing to preserve cell integrity.**

Maintain a robust 90% cell viability<sup>1</sup> for downstream analysis. Works with a wide range of cells and reagents.

<sup>1</sup> <1hour post-dispense

## PRODUCT FEATURES

See what's possible for you

### Uno Single Cell Dispenser Specification

Cell size range	10 $\mu\text{m}$ to 25 $\mu\text{m}$
Cell types	Wide variety of cell types are tested
Qualified fluid classes	DMSO, Acetonitrile, aqueous solutions, aqueous 10 % trifluoroacetic acid (TFA), master mixes
Formats to dispense on	<ul style="list-style-type: none"> <li>• 12, 24, 48, 96, 384-well plates</li> <li>• Customizable substrate, such as microscope slides</li> <li>• Plate height 4-47 mm</li> </ul>
Cell isolating technology	Microfluidic technology
Dispensing speed	<ul style="list-style-type: none"> <li>• Cells: 384-well plate in ~5 minutes</li> <li>• Reagents: 384-well plate in under three minutes</li> </ul>
Single cell success rate	90% <sup>2</sup>
Cell viability	90% <sup>3</sup>
Software	<ul style="list-style-type: none"> <li>• Intuitive and easy to set-up protocols</li> <li>• Automatically generates summary report, indicating wells with single cells</li> </ul>
Overall instrument dimensions	47 cm x 38 cm x 23 cm
Instrument weight	4.8 kg (10.58 lb)

<sup>2)</sup> Dispensing beads in 96-well plates <sup>3)</sup> At day zero



## PRODUCT FEATURES

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### Uno Single Cell and Reagent Dispense Cassettes specification



**C1a - Single Cell  
Dispensehead Cassette**

**T1sf / T1  
Dispensehead Cassette**

**D1sf / D1  
Dispensehead Cassette**

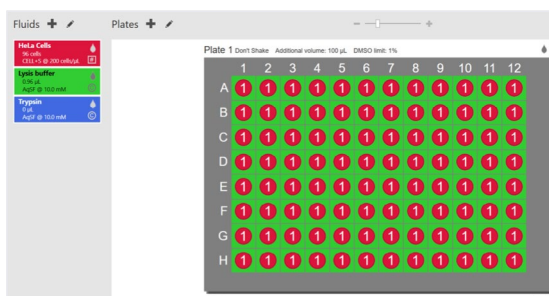
	<b>C1a - Single Cell Dispensehead Cassette</b>	<b>T1sf / T1 Dispensehead Cassette</b>	<b>D1sf / D1 Dispensehead Cassette</b>
<b>Dispensing capability</b>	<b>Cell Dispensing</b> Up to 400 single cells	<b>Reagent Dispensing</b> <ul style="list-style-type: none"> <li>• T1sf: for surfactant-free reagents</li> <li>• T1: for surfactant-requiring reagents</li> </ul>	<b>Reagent Dispensing</b> <ul style="list-style-type: none"> <li>• D1sf: for surfactant-free reagents</li> <li>• D1: for surfactant-requiring reagents</li> </ul>
<b>Minimum dispense volume</b>	40 pI	11 pI	1 nI
<b>Fill cup size</b>	20 µI	20 µI	200 µI

# PRODUCT FEATURES

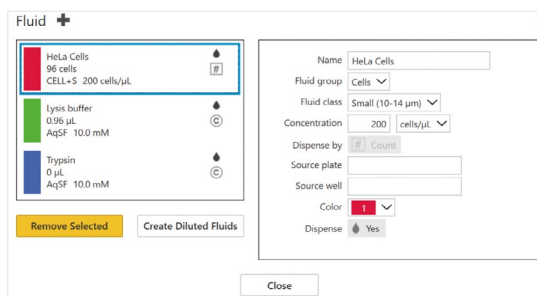
See what's possible for you

## UnoControl Software

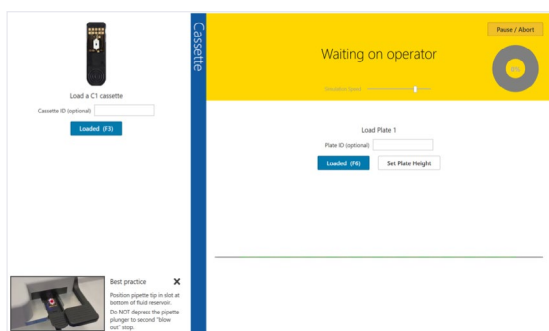
Designed with simplicity in mind.



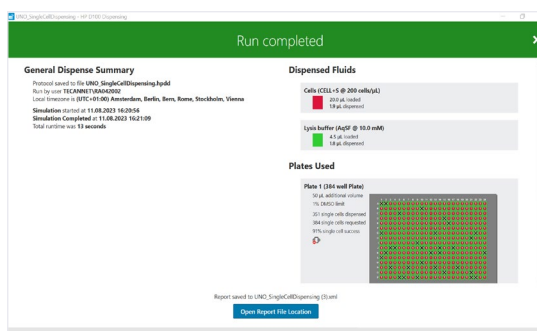
Intuitive fluid and plate definition enables protocol set-up in minutes.



The protocol set-up guide includes a wide range of qualified fluids classes, and covers four distinct cell size ranges.



Guided steps ensure precise execution of experiments, minimizing handling errors.



Gain instant insights with auto-generated summary reports that detail dispensed reagent volumes, plates and cassettes used, single-cell isolation success rate, and cell concentration.

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LEARN MORE



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**Italy** +39 02 92 44 790 **Japan** +81 44 556 73 11 **Netherlands** +31 18 34 48 17 4 **Nordic** +46 8 750 39 40 **Singapore** +65 644 41 886 **Spain** +34 93 595 25 31  
**Switzerland** +41 44 922 89 22 **UK** +44 118 9300 300 **USA** +1 919 361 5200 **Other countries** +41 44 922 81 11  
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