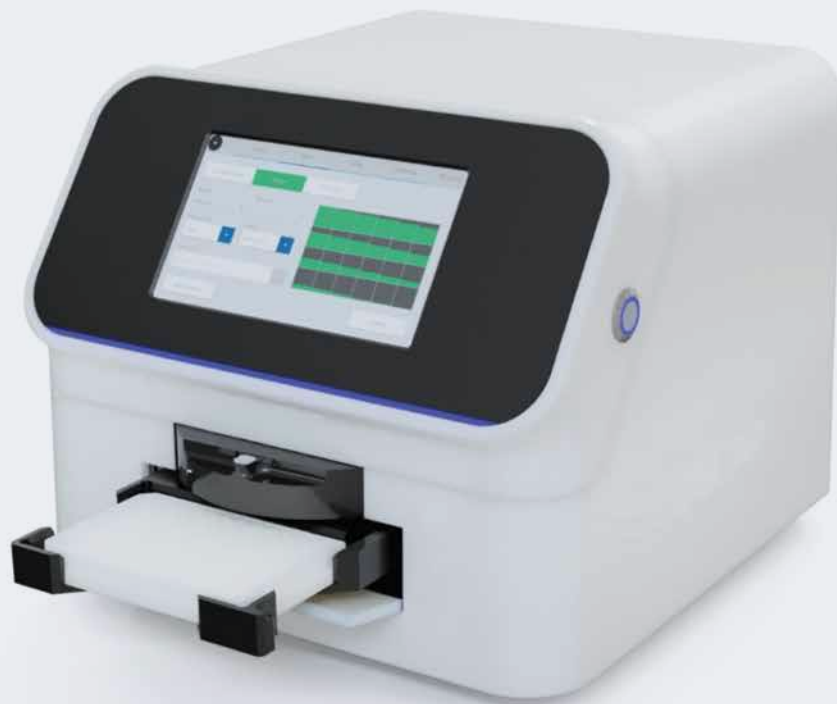


I-DOT Mini

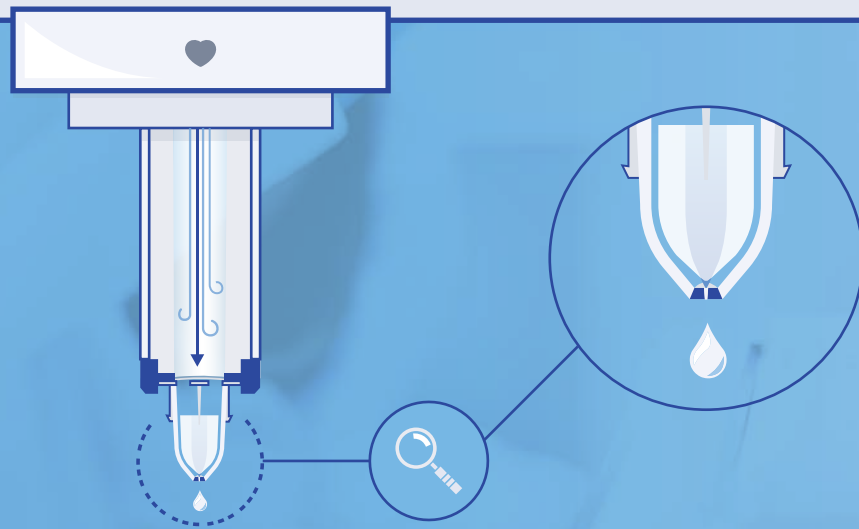
Liquid handling simplified



Featuring Immediate Drop-on-demand Technology (I-DOT), the lightweight I-DOT Mini Basic optimizes noncontact liquid handling tasks to bring intuitive automation, precision and speed to every lab in a smaller footprint.

Learn more at our website
www.cellink.com





I-DOT Mini

Featuring Immediate Drop-on-demand Technology (I-DOT), the lightweight I-DOT Mini Basic optimizes noncontact liquid handling tasks to bring intuitive automation, precision and speed to every lab in a smaller footprint.

This lightweight liquid handler uses a single positive pressure channel to generate droplets as small as **8** nanoliters through a perforation in the well and can produce up to **100** droplets per second

Key Features



Noncontact: Enables droplets to be dispensed into the target plate below the source plate. The I-DOT Mini Basic eliminates carryover and cross-contamination.



Flexible: Rapidly dispenses into any SBS target plate, including 96-, 384- and 1536-well plates. Complex protocols can be created with the intuitive, user-friendly onboard software; absolutely no coding required.



Large dynamic range: Dispenses 8 nL to 500,000 nL of a single source liquid at a time.



Low dead volume: The well reservoir design ensures dead volume under 1 μL to conserve valuable reagents and samples.



Versatile: On-demand dispensing of multiple liquid classes, including, but not limited to, aqueous solutions, polymerase chain reaction (PCR) buffer, dimethyl sulfoxide (up to 100%) and glycerol (up to 50%).



Speed: Dispenses a 96-well plate in as fast as 20 seconds.

More efficient workflows

The I-DOT Mini is optimized for speed and accuracy, making it ideal for use improving efficiency in the following applications



Cell dispensing

Reproducibly dispense anything from cells in suspension to **organoids**, while maintaining high cell viability.



Assay development

Miniaturizes **cellular assays** into a 1536- well plate.

Dispenses up to 96 different components using a different volume in each well **DoE**.

Easily dispenses controls/dilutions to other liquid handler plates.



Compound dispensing

Dispenses **small molecules** in aqueous solutions or dimethyl sulfoxide (DMSO)



Genomics and proteomics

Leverages miniaturization, low-volume dispensing and low dead volume.

Dispenses high-viscosity solutions with ease, enabling rapid next-generation sequencing (**NGS**) prep.

Supports a range of polymerase chain reaction (**PCR**) needs by dispensing master mixes with unparalleled speed and accuracy.

Dispenses commercially available **beads** reproducibly across target plates for extraction or clean-ups; reduces settling with high-speed dispensing.





Built-in software streamlines workflow

The I-DOT Mini's automation-friendly software offers built-in convenience, optimizes protocol creation, lets users import comma-separated values (CSV) files for more complex protocols.

- Seamless user-friendly software.
- Fast, intuitive and user-friendly CSV setup.
- Multi-well and custom formats.
- No programming or looping needed.

World-class support

CELLINK's renowned customer support team is committed to achieving your goals. Highly trained I-DOT Mini specialists are ready to provide support when you need them, and multiple support packages are available to suit your circumstances.

Our global network can respond within hours to assist with installations, repairs or maintenance by phone, over email, via video chat or in person.

Technical specifications

| | |
|--|---|
| Dimensions (L x W x H) | 350 x 300 x 240 mm |
| Power supply | AC 100-120V, 50/60Hz, 10A or AC 200-240V, 50/60Hz, 5A |
| Weight | 15 kg (33.0697 lbs.) |
| Destination | All SBS-format microplates not exceeding 127 x 85 x 16 mm (L x W x H) |
| Dead volume | <1 µl |
| Dispensing volume | Deep reservoir well from 8 nL to 500,000 nL |
| Volume unit step | 0.1 nL |
| Dispensed volume CV (coefficient of variation) | <5.0% (for >100 nL) <8.0% (for <100 nL) |
| Liquid viscosity range | 1 to 6 cP (mPa-S) |
| Nozzle diameter | 90 to 200 µm |
| Source fluid temperature range | Room temperature |
| Target plate temperature range | Room temperature |



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Scan to learn more

