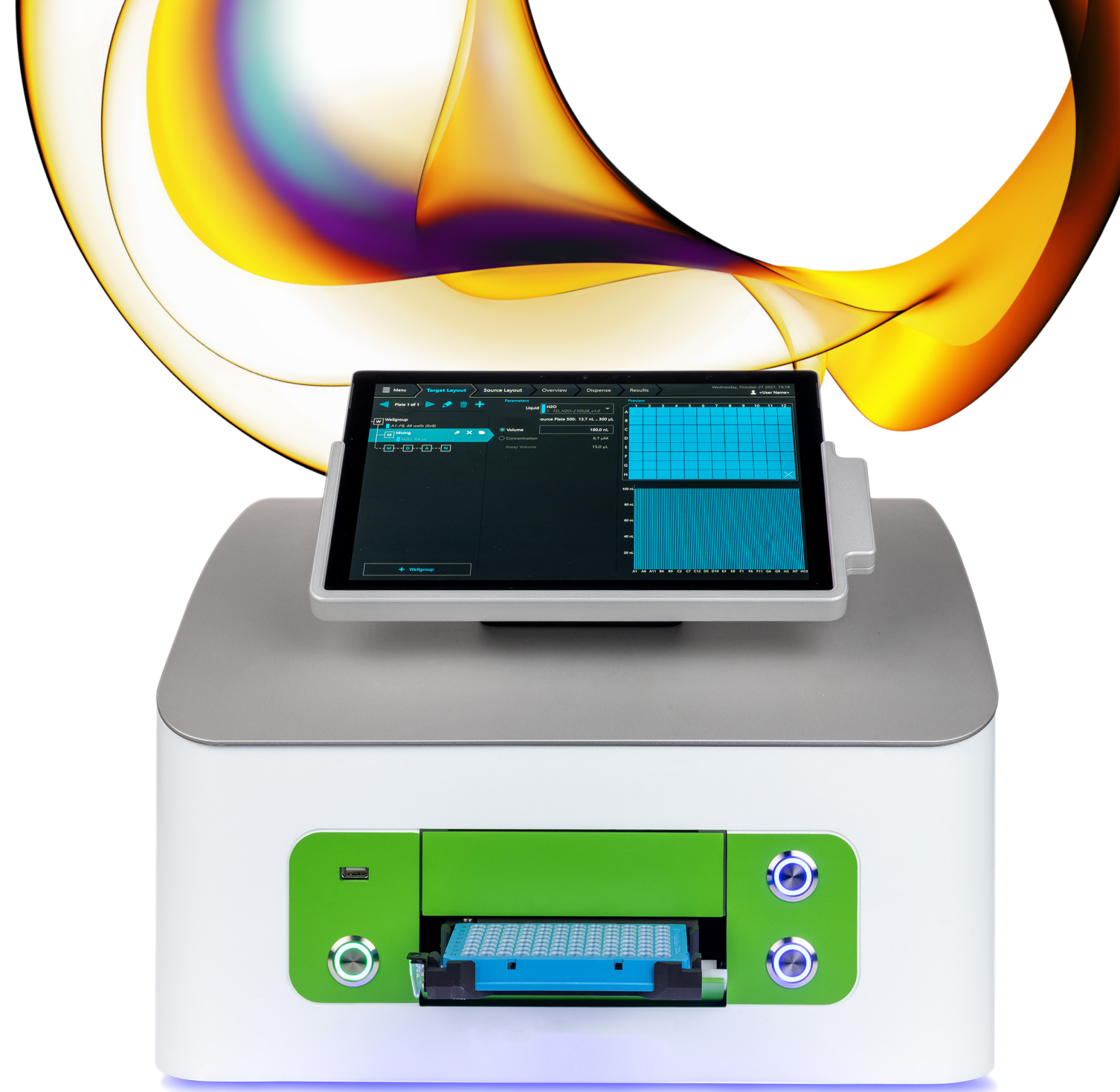




Fast, affordable, non-contact dispensing for miniaturization of drug discovery and research applications

FlexDrop™ iQ™ Non-contact Dispenser

The FlexDrop iQ Non-contact Dispenser changes the game for simple, low volume dispensing workflows. Where traditional liquid handlers require expertise and proprietary programming, the FlexDrop iQ instrument can be set-up and used in minutes. It can be programmed and run for small volume assays quicker and more reliably than traditional methods. The Flexdrop iQ Non-contact Dispenser provides rapid, precise, and flexible dispensing from up to 96-source wells into 96, 384, or 1536 well plates with a dead volume of 1 μ L. This platform redefines low volume dispensing automation by providing any lab with the means to precisely dispense as low as 8 nL with the push of a button.



Rapid, precise, and flexible dispensing

Generating individual droplets between 8 to 50 nanoliters (nL) in size at 100 droplets per second, researchers can quickly automate their low volume dispensing workflows with ease. The FlexDrop iQ Non-contact Dispenser uses positive pressure and droplet verification to achieve highly reliable and accurate liquid transfers.

- A dead volume of 1 μ L to conserve precious reagents
- Built-in droplet verification to guarantee experimental reproducibility
- The ability to transfer any volume from any source well to any destination well for seamless gradient formation in the context of assay development, optimization, or high-throughput screening.
- Automation and robot compatible
- A less than 8% CV when dispensing 8-100 nL and less than 5% CV when dispensing above 100 nL

Well plate	Time to dispense 10 nL (seconds)
96	10
384	20
1536	80

Enhance your drug discovery process

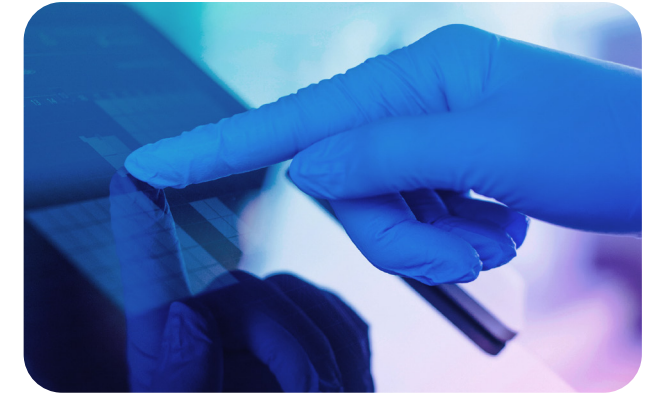
The FlexDrop iQ Non-contact Dispenser can greatly reduce the cost and time associated with the drug discovery process. It works well with HTRF[®] and ALPHALISA[®] kits, and can be utilized in many vital tasks such as:

- Gradient dispensing for design of experiments (DOE) workflows in assay development
- Reagent additions for fluorescent and cell-based assays for high-throughput screening
- Dispensing compounds to assay plates
- Transferring libraries of interfering RNA for high throughput screening into assays or library plates

Intuitive and streamlined, touch-screen software

The FlexDrop iQ Non-contact Dispenser incorporates intuitive, streamlined software on an integrated touchscreen PC. The programming is beginner friendly and requires no previous programming knowledge or liquid handling expertise. Users can simply list reagents, assign transfer volumes to specific wells in the destination plate, and click "Run". The software also supports importing custom CSV files for complex protocols.

The FlexDrop iQ Non-contact Dispenser enables reaction miniaturization with sub-microliter pipetting. This technology can drastically reduce the total volume of reagents required in many applications such as drug discovery and NGS library workflows and will help reduce cost by minimizing wasted reagents.



Specifications

Part Number	Description
CLS155018	FlexDrop iQ dispenser (110-230
CLS155021	VAC) Air Compressor, 115V
CLS155541	Air Compressor, 220V
CLS156444	FlexDrop iQ Source Well Plates, 80 μ L, 100 μ M pore size, Qty 20
CLS156818	FlexDrop iQ Source Plates, 80uL, 200 μ M pore size, Qty 20
CLS155019	FlexDrop iQ Source Plates, 500uL, 100 uM pore size, Qty 10

Contact your local representative to enable reaction miniaturization for drug discovery and genomic applications



Your Authorized Canadian Distributor:
DMark
35 Grand Marshall Drive, Toronto, ON, M1B 5W9, Canada

Call: 1.800.784.7485
orders@dmarkbio.com
www.dmarkbio.com

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