

# Micro10x™

Ahead of the Curve.

## Robotic Reagent Dispenser

### *Compact 8- and 12-Channel High-Throughput, Accurate Bulk Reagent Dispenser for Microplates*

The **Micro10x** provides a combination of fast filling speeds, high accuracy and extreme flexibility not found in other benchtop reagent dispensers. It never needs calibration because its positive-displacement pump head is adjustable in 10nL increments. The leading competitor needs constant calibration and the purchase of replacement dispensing cassettes. The **Micro10x** accurately dispenses volumes down to 2uL per channel, and provides features to ensure a clean, full dispense of various liquids.

The **Micro10x** can be loaded and operated without a computer, but is also fully-compatible with robot arm systems, such as Hudson's PlateCrane™, or track-based microplate delivery systems, such as Hudson's LabLinx, for unparalleled throughput and ease of setup.

### Micro10x™ - Fast, Compact, Accurate Benchtop Instrument for Reliable & Automated Reagent Dispensing into all Microplates

The **Micro10x** brings various advantages to lab applications:

- Conserves bench space with its small, 7"x10" footprint.
- Graphical Image Row Selection to control the dispensing pattern.
- 96-, 384-, 1536- filling, up to 55mm in height.
- Tip Touch to reduce droplets.
- Pairable with multi-channel valves for automated liquid switching and flushing.
- Autoclavable fluid path assures sterility.

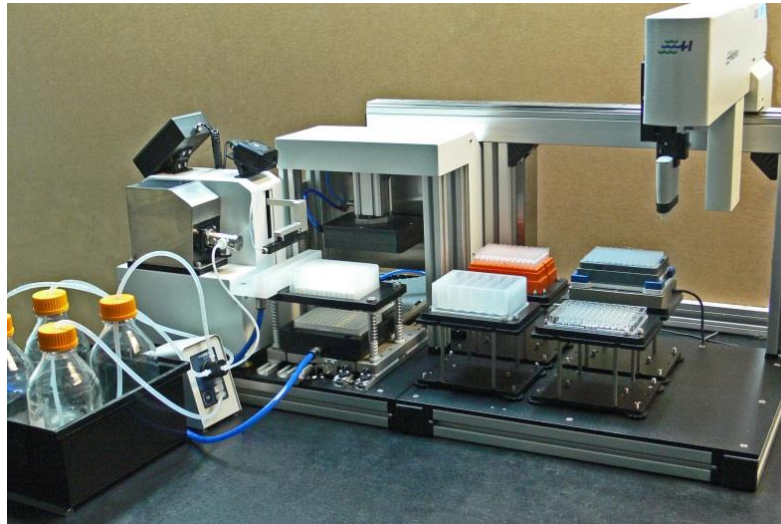


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## DNA Extraction/Purification Workcell

**Includes a Micro10x Reagent dispenser, SOLO automated Pipettor, and Filter-Press**



The Micro10x is a small, dependable tool for quickly adding all types of liquids evenly across standard microplates. When connected to the Hudson SOLO robotic pipettor, which can add different samples into each well, virtually any assay can be prepared. Built to be modular, the Hudson family of instruments can be combined with a wide variety of readers, magnetic bead nests, automatable centrifuges, and incubators.

The Micro10x and SOLO are perfect for ELISA applications as a dispenser of conjugate and stop solutions. Its high speed and robot compatibility make it ideal for ELISAs that require consistent processing of many hundreds of plates. Its self-priming feature allows it to maintain clear dispense nozzles even during long plate-incubation times.

### **Specifications**

**Dispense Volumes:** 5 $\mu$ L and up - below 2% CV; 2-5 $\mu$ L - below 5% CV

**Electrical:** 115/220 VAC, 0.5 Amps

**Calibration:** Holds factory calibration for > 50 million cycles

**Sterilization:** A fully-autoclavable liquid path

**Configuration:** Available in both landscape (12-nozzle dispensing) and portrait (8-nozzle dispensing) style

**Pump Options:** Offers two different pump sizes (0.25" or 0.375" barrel)

**Size (H x W x D):** 15.8" x 7.0" x 10.1"

**Typical Dispense Times for an Entire Plate:**

- 15 seconds - 96 well plate, 100 $\mu$ L per well
- 24 seconds - 384 well plate, 25 $\mu$ L per well