Multidrop Dispenser Speeds Reagent Dispensing

Lightweight, compact, and accurate, the Multidrop dispenser is a valuable tool for rapid filling of standard microplates, 384 well plates, and deep-well plates. This automatic, programmable, eight channel dispenser operates with full computer control capability. Utilizing a high precision peristaltic pump to directly dispense from single or multiple reagent bottles, the Multidrop eliminates time consuming reagent addition steps.

Using eight discrete reagent lines, the Multidrop can dispense different reagents to each row. Reagent lines may be back flushed to minimize loss of costly reagents. Multidrop’s removable dispensing cassette is autoclavable and allows specific cassettes to be dedicated to specific reagents.

Multidrop 384
Useful for the high density 384 well plate, the Multidrop 384 gives flexibility of use for 96 well or 384 well plates at the flip of a switch. Dispensing as little as 5μl per well up to a maximum of 395μl, the Multidrop 384 is both accurate and fast. From one through twenty four columns may be selected for dispensing and up to eight different reagents may be added.

Multidrop 384 XH
This modified version of the Multidrop 384 has been given extra height (XH) to accommodate the newly popular, taller 96 and 384 well plates of up to 26mm (slightly over 1 inch). All other features and specifications are the same as the Multidrop 384.

Multidrop Micro
The Multidrop Micro is useful for high-density 384 well plates, offering the flexibility of 96 or 384 well plate operation at the flip of a switch. Dispensing as little as 1μl per well up to a maximum of 50μl, the Multidrop Micro is both accurate and fast. Up to twenty four columns may be selected for dispensing and up to eight different reagents may be added.

Multidrop Deep Well
The Multidrop Deep Well is useful for rapid, high volume filling of this popular plate format, the Multidrop Deep Well can be used to automate tedious filling and reagent addition steps in these plates.
## Multidrop Dispenser
For 96, 384 or deepwell plates

### Specifications:
- **Plate Type**
  - Multidrop 384: 96 & 384 Well
  - Multidrop 384 XH: 96 & 384 Well
  - Multidrop Micro: 95 & 384 Well
  - Multidrop Deep Well: 96 Deep Well & Standard Height

- **Dispensing Volume:**
  - **96 Mode:** 5µl to 395µl
  - **384 Mode:** 5µl to 100µl

- **Dispensing Speed:**
  - 5 seconds to dispense 20µl into 96 wells
  - 14 seconds to dispense 20µl into 384 wells

- **Dispensing Accuracy:**
  - ±2% at 20µl (typical)
  - ±1% at 100µl (typical)

- **Dispensing Precision:**
  - CV < 1.5% at 20µl
  - CV < 1.0% at 100µl

- **Number Of Channels:**
  - 8

- **Dead Volume:**
  - < 7ml

- **Power Requirements:**
  - 115/230V, ±10% • 50/60 Hz

- **Power Consumption:**
  - 50 VA Maximum

- **Operating Temperature:**
  - +10°C to +40°C

- **Autoclaving conditions for the dispensing cassette:**
  - Pressure: 1 bar (15 psi)
  - Time: 20 Minutes
  - Cycles: 50 times

- **Tubing Material:**
  - Silicone Rubber

- **Overall Dimensions:**
  - 12w x 12.5d x 6h in.
  - 31w x 32d x 16h cm.

- **Weight:**
  - 13.6 lbs.
  - 6.2 Kg

- **Interface:**
  - RS232

- **Stacker Compatibility:**
  - Yes

### Catalog No.

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<tr>
<td>Multidrop 384</td>
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