

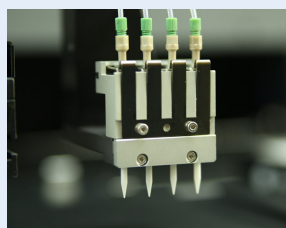
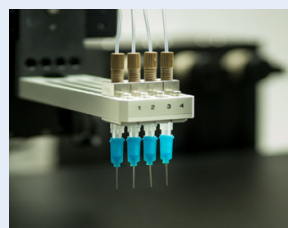
AD1520™: Precision Dispensing Solution

High Speed Aspirating and Dispensing System

Applications

- DNA, Cell, Protein Dispensing
- Microarrays
- Multiplex ELISAs
- Biosensors
- Biochips, Lab-on-a-Chip
- Low Volume PCR
- Custom dispensing applications

The AD1520 is a tabletop workstation designed for high speed aspirating and dispensing applications to glass slides, microtiter plates or membranes. It has a compact footprint making it ideal for a research laboratory to investigate new applications.

BioJet Elite**PolyDrop****AD1520**

Features/Benefits

- Create High Quality Arrays
- Aspirate/Dispense and/or Bulk Dispense*
- R&D and Production Throughputs
- Volumes from 1.3 nL to > 2 μ L Single Drop*
- Non-Contact or Semi-Contact Dispensing*
- Up to 4 Dispensers
- Dispense onto Slides, Plates or Membranes
- Superior Service and Support

Description

- Motorized X, Y, Z Axes
- Integrated Wash/Vacuum Station
- Flexible Link2020 Control Software
- PC Control Workstation Included
- Nest Choice (Glass Slide, MTP, Vac/Mag, Custom)
- ILD5000 In-Line Degasser
- Integrated Humidity Chamber

* Dispenser Type Dependent

To learn more about the AD1520, scan this QR code with your smart device:



General Specifications

Dimensions (L x D x H)

- 61 cm x 46 cm x 46 cm

Weight

- 38.6 kg

Power Requirement

- 110/220 VAC; 50/60 Hz

Vacuum Requirement

- Vacuum Station: -15 to -20 inHg

Wash/Waste Station

- Wash Flow Rate: 2 mL/sec
- Waste Flow Rate: 4 mL/sec

Technical Specifications

Dispense Area

- 185 mm x 195 mm

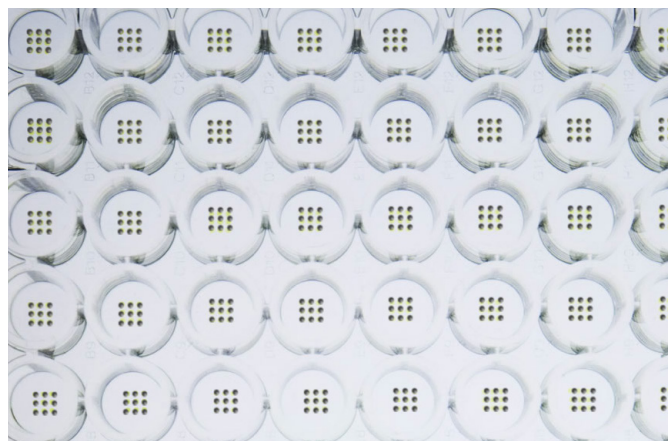
Mechanical Precision

- X, Y and Z-Axis typically < 10 µm

Choice of Nest (includes source, wash/waste)

- 2 Position MTP
- 14 Position Glass Slide
- Vacuum/Magnetic Hold Down
- Custom (User Defined)

Optional Vacuum Pump



Microarrays

Dispensing Options

Number of Dispensers

- Up to 4

BioJet Elite Dispenser - Solenoid Valve, Drop-on-Demand

- 1.3 nL - 2.0 µL as a Single Drop*
- Multi-Drop Flexibility
- Volume Accuracy ± 5% of Target*
- Volume Precision < 5% CV*

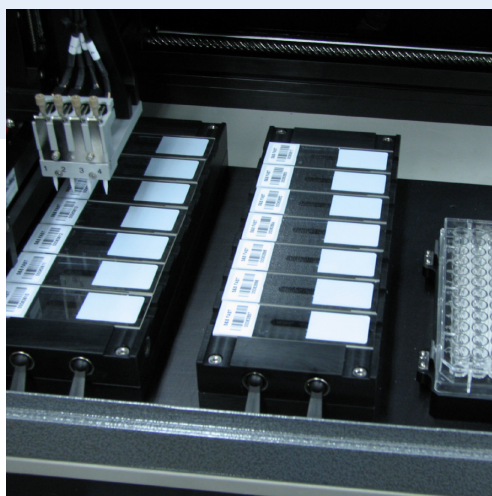
PolyDrop Dispenser - Syringe with Luer Tip

- Semi-Contact volumes > 25 nL*

Dispensing Modes

- Step and Repeat
- On-the-fly

*Table speed, material and/or reagent dependent Specifications subject to change without notice



Fully Programmable Low Volume Dispensing System

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