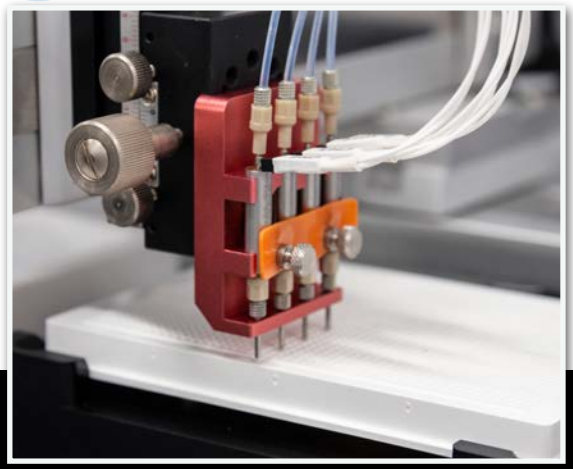
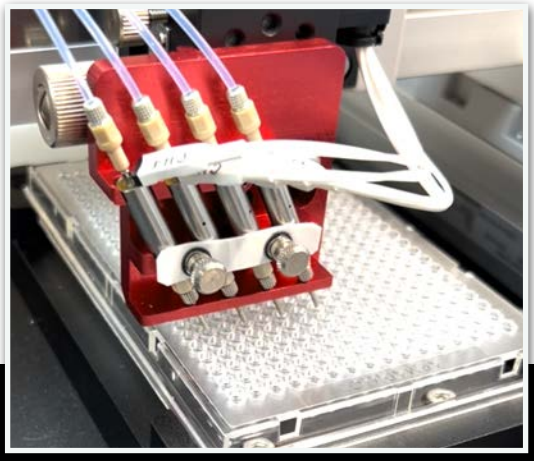
Fill 96-
384- and
1536-well pates
with any dispense pattern

Introducing the new Precise Drop II™

The latest in low volume dispensing technology for the precise rapid filling of microtiter plates. Its unique calibration station insures high accuracy.

From 96 to 1536 well plates. **We tailor reservoirs, tubing, valves and tips to fit your dispensing needs.**





Digital Dispensing

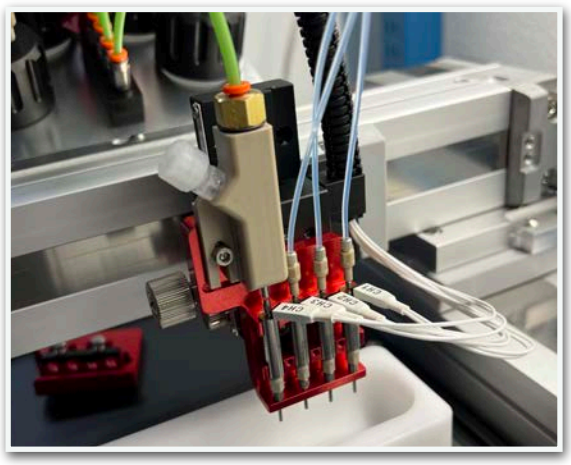
The system can contactless dispense a very wide selection of liquids over a wide volume range from 50 nanoliters to over 2 milliliters. Spotting mode is either ‘on-the-fly’ or ‘stop & go’, in either serpentine or straight paths.

Angled Dispensing

The angled valve head allows for the dispensing of liquids along the side of the well wall. This minimizes foaming effects often seen with cell suspensions. Well suited to dispense growth media, or buffers atop fixed cells.

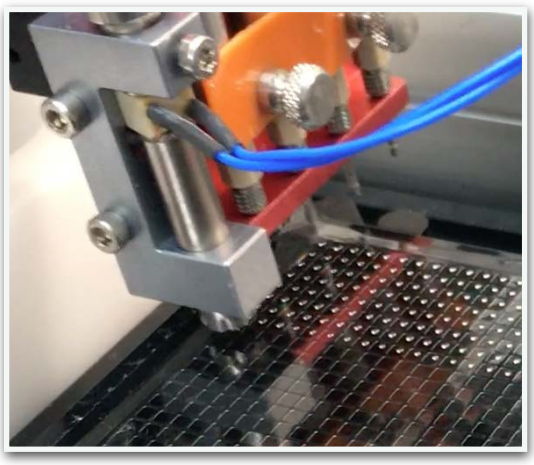
Low Dead Volume Option

A single channel source vessel, capable of holding up to 2 mL, can be used when minimizing dead volume is critical. The user pipettes directly into the vessel, and closes the white cap. It is then pressurized and ready to dispense. I can be calibrated as all other valves.



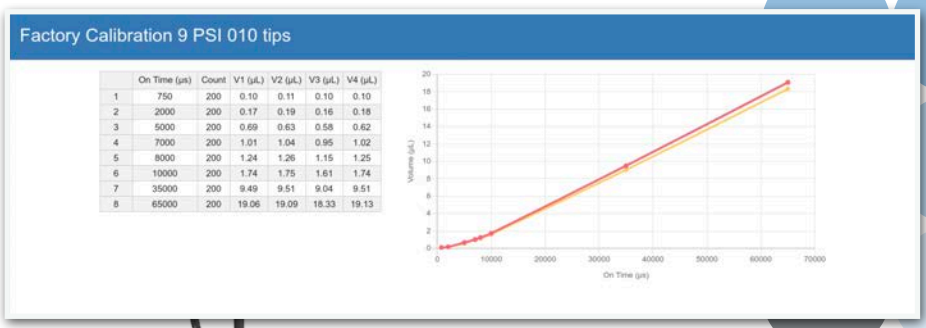
Specialty Valves

Different valves can be integrated, such as for the back-filling of plates used for compound titrations. Back-filling with a PDII is much faster than doing it with the acoustic dispenser used to dispense compound solutions.

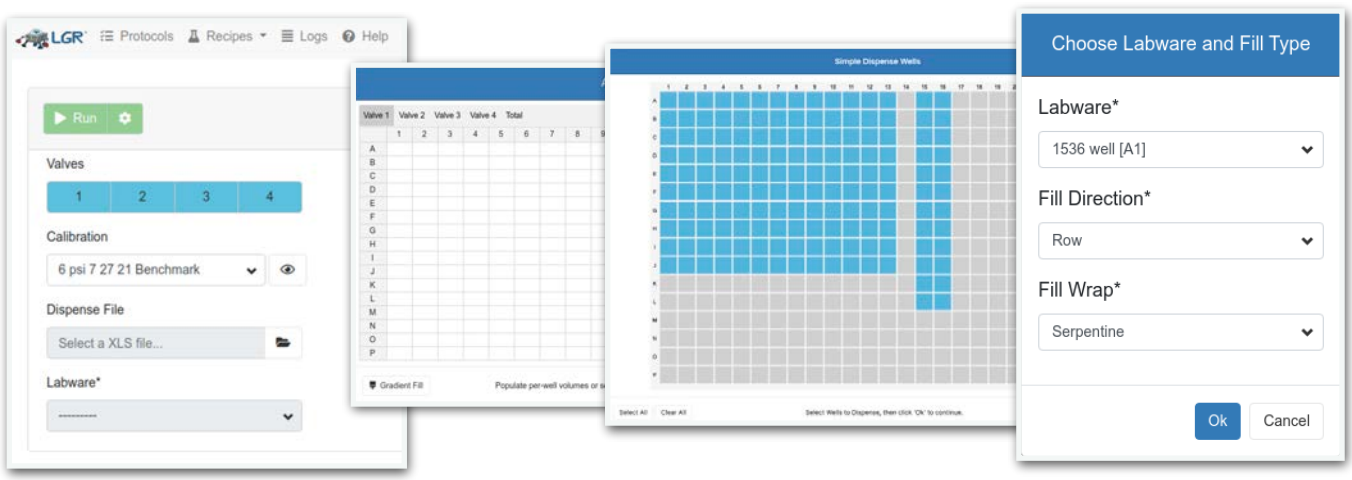


Reliable and Accurate

The uniquely integrated and automated calibration methodology employed, produces independent calibration curves for each channel. Full or partial curves can easily be generated.



Shown here with the optional Sartorius analytical balance and custom windshield.



Flexible Software

The Precise Drop II can accept BioRaptr files as input, or Excel templated files you can create on your own.

It also comes with powerful software to design plate maps that suit your need.

Each valve can get its own dispense pattern. Any well can be selected for dispense.

Design of Experiment

The Precise Drop II can dispense varying volumes for each and every well. This is perfect if you carry DoE optimizations, or simply to produce gradients.

Dose Response

A common application is to use the dispenser to generate concentration gradients. This is easily achieved via the easy-to-use software interface.

Cell Dispensing

Shown here integrated with a BioShake shaker to keep cells in suspension. Multiple variations can be configured.

The Precise Drop II can also be operated as stand-alone unit, with no external attachment. A simple green start button, as well, as robotic integration, can operate the dispenser.

Volume Range:	50 nL to 2 mL
Dispense CVs:	~ 2%
Working Area:	160 x 210 mm
XY accuracy:	+/- 40 um +/- 0.0015 in
Dimensions:	17 x 13 in 11 in tall
Weight:	40 lbs
Power:	110 V (20 W)
Air Pressure:	60 PSI (40-80 is OK) Clean Dry Air

axiVEND

Low volume dispensing experts
1 833-AXI-VEND
sales@axiVEND.com

www.axivend.com
350 E Crown Point Rd, Ste 1020
Winter Garden, FL 34787