

# Simplify and Automate



LOAD

PROGRAM

START

LABXpress™ Pipettor

 ONE LAMBDA  
Part of Thermo Fisher Scientific

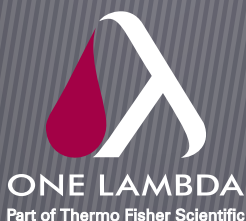
# LABXpress™ Pipettor

Provides walk-away automation of dispensing, mixing, shaking—and so much more. After loading your samples and placing your reagents, you simply start the system and walk away.

**SIMPLIFY AND  
AUTOMATE WORKFLOW!**



**HIGH THROUGHPUT  
WALK-AWAY CAPABILITY**



## **AUTOMATED PRODUCTIVITY**

### **Precisely Calibrated Pipettes**

Eight pipettes are precision controlled to detect volume levels in each sample tube and reagent reservoir. They can be controlled individually or grouped, and can aspirate precise volumes into each test well of a 96-well reaction plate.<sup>1</sup>



### **Versatile Tray Gripper**

The pre-programmed protocol directs the tray gripper to automatically lift and move trays to and from the tray shaker, or optional accessories, as needed for the specific assays.



### **Optional Accessories Integration**

The LABXpress™ Pipettor can be integrated with optional accessories such as a thermal cycler, centrifuge, or flow analyzer<sup>2</sup> to fully automate routine lab procedures.

With additional addons, the LABXpress™ Pipettor is capable of dispensing, mixing, shaking, centrifuging, PCR,<sup>3</sup> and reading.<sup>4</sup>

## **WALK-AWAY CAPABILITY**

Completing an assay has never been easier. The system provides true walk-away capability—no human intervention is required. In less than an hour, a technician can set up test samples and reagents, and let the LABXpress™ Pipettor handle the rest.

## EASY AND WORRY-FREE SAMPLE LOADING

### Easy to Use Loading Bay

You can easily load samples and reagents onto custom racks in the loading bay or directly into reaction plates. The tube racks can be used for samples and can hold 10 x 75 mm and 13 x 100 mm tubes, as well as the 1.5 ml bead tubes for 100 tests. Reservoirs are provided for assay reagents and can hold volumes of 50 or 100 ml.

### Worry-Free Barcode Readers

All reaction plates, sample tubes, and reagent reservoirs have barcodes that are scanned for worry-free tracking. The loading bay scanner reads the barcodes on sample tubes and reagent reservoirs, and the plate scanner reads the barcodes on the reaction plates.



## OPTIMIZED DATA REPORTS

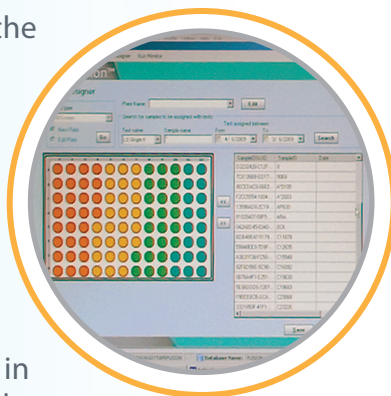
### Process Logs

A log file documents all steps in the process. Any problems during sample runs generate error messages.

### Flexible Reporting

LABXpress™ Pipettor is driven by easy-to-use, intuitive Windows®-based software. Results of each test are exported in a comma separated value (.csv) file.

With the purchase of One Lambda's HLA Fusion™ Software, results can then be imported for analysis.<sup>4</sup> Results are analyzed automatically and reports are generated in a number of different formats.



## FEATURES & BENEFITS

- High throughput testing with reduced turnaround time—up to 800 samples in a shift
- Short set-up time—1/2 to 1 hour, depending on the assay
- Reduces labor and frees technicians for other work
- Multiple tests from a single product family can be processed in a single run
- Total automation of research protocols with integration of optional accessories

## CONTACT YOUR LOCAL REPRESENTATIVE FOR MORE INFORMATION.

Product shown with optional accessories. The LABXpress™ Pipettor is not a system and is not associated with any One Lambda assay. This product is for investigational use. The performance characteristics of this product have not been established, and it is not cleared or approved for clinical use by the US FDA, nor is this product CE marked for use in the European Union. This product is not intended to provide information for the diagnosis, prevention, or treatment of a disease.

<sup>1</sup> For use with LABScreen, an optional accessory. <sup>2</sup> The LABScan 100 or LABScan3D are optional accessory that can be integrated. <sup>3</sup> For use with LABType, an optional accessory. <sup>4</sup> Reading is not performed by the LABXpress Pipettor. Analysis software is available separately.

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# LABXpress™ Pipettor

## Technical Specifications

**MODULES INCLUDED** Tube barcode reader, plate barcode scanner, shaker for MTP, housing parts

**DECK LAYOUT** Accommodates 8 sample plate positions  
Grid system for flexible deck layout  
Stainless steel deck for maximum resistance and easy cleaning

**PIPETTING** 8 channels to be used with precision steel needles

Steel Needles

5 µl	< 10% CV
10 µl	< 5% CV
100 µl	< 2% CV
200 µl	< 1% CV

Volume Range 5–1000 µl per pipette

Liquid Detection Individual per channel; based on capacitance

### PLATE HANDLER

Rotation 0°/90°/180°/270°

Grip SBS Plates Portrait or landscape orientation

Plate Detection Active

Reach-Out Capacity On right side up to one SBS plate length, plus 20 mm

### CENTRIFUGE

Rotation Speed Min. 25 rpm; Max. 2700 rpm

Rotor Diameter 160–170 mm

Plate Load 1 plate

Plate Height/Plate-Sandwich Max. 35 mm

Outer Dimensions (HWD) 570 ±3 x 528.5 x 388 mm

Plate Weight/Plate-Sandwich Max. 150 g (could be adapted by changing the balance weight)

G-force Min. 1; Max. 1300

Noise at Full Speed 78 dB @ 2800 rpm

Acceleration Min. 135 rpm/s; Max. 500 rpm/s

Deceleration Min. 135 rpm/s; Max. 500 rpm/s

Cooling/Heating No

Vacuum Possible No

**DIMENSIONS** (HWD) 120 x 200 x 100 cm (please leave 50 mm space to the left for cable connections)

**WEIGHT** Approx. 150 kg (without accessories, modules, LABScan™ 100, and computer)

**WORKSTATION** Requires island or peninsula workstation to accommodate dimensions and weight

