

i-Pipette Series

The i-Pipette series offers 96 or 384 channel high performance pipetting that is ideal for low-volume or high-volume multichannel microplate pipetting. Two models are available: The i-Pipette and the i-Pipette Pro. The i-Pipette Pro models are distinct from the i-Pipette models in that the Pro is configured with a motor-driven head locking mechanism rather than the hand lever and also includes a motorized elevator that raises and lowers a plate or reservoir to the desired pre-set height.

The 384-channel i-Pipettes offer a maximum capacity of 125 microliters per channel and the 96-channel i-Pipettes are available with maximum volumes of 125, 500, or 1000 microliters. The i-Pipette can be configured with a single plate nest or a 2-plate shuttle with versions available for plate-to-plate pipetting or plate-to-plate pipetting + serial dilutions by column. A motorized 2-plate shuttle is also available for the i-Pipette Pro models.

Extended Height (XH) configurations are also available that allow the installation of a vacuum manifold for use with SPE applications.

The i-Pipettes are controlled via a simple and easy to use GUI interface app that runs on the Apple® iPod Touch.



The i-Pipette is an exciting new product that will be a benefit for any laboratory that needs to routinely perform pipetting operations onto microplates. Until now, the capabilities of an automated 96-channel pipettor have required price investments that are out of reach for many labs. With the i-Pipette, now you can have the benefits of multichannel pipetting at an easy price point. The i-Pipette is based on proven automated pipetting engineering from Apricot Designs. Apricot Designs has been continuously developing, improving and offering multichannel pipettors for more than two decades. Apricot Designs has always focused on flexible, affordable, compact, versatile, easy to use, and reliable solutions for the lab.

The i-Pipette uses Apricot Designs' unique head design which employs high-precision manufacturing to produce reasonably-priced heads that are independent of the pipetting mechanism. The Apricot EZ-Load heads allow you to load disposable tips into the head quickly and easily, with no tools required. The user can clamp the pipetting head in a manner of seconds using a simple lever for the basic series or via push-button control for the pro series., allowing simple and easy set-up for the task at hand. For the most flexibility, the i-Pipette allows manual indexing of the pipetting head for accessing 384-well plates with a 96-channel version or for accessing 96-well plates with a 384-channel version (with 96-channel head), and also options for indexing for serial dilutions by column.

Features and Benefits

- With an i-Pipette 96 quickly and easily perform a 96 channel pipetting method into all wells of a 96-well plate in one operation, or 384 at once with the i-Pipette 384.
- Also pipette to a 96-well plate with the i-Pipette 384 by using the Apricot 96-channel offset head.
- Performs 12 times faster than an 8-channel handheld pipettor; pipette to all 96 wells without having to replace tips 12 times.
- Reduce the tedium and potential repetitive motion injuries that come with multiple hand-held pipettings with an 8-channel pipettor.
- Flexible design for liquid transfers and pipetting operations for 96 and 384-well microplates.
- Uses the unique easy-change head system from Apricot Designs, allowing the user to build a diverse head library with a reasonable investment. The heads are interchangeable with other Apricot pipettors.
- Easily controlled through a simple interface on an iPod Touch; requires minimal operator training and no external computer is necessary.
- Small footprint conserves bench space and fits easily into suitably-sized hoods.

Options

- **384 channels or 96 channels.**
- **96-channel volume options:**
0.5–125 ul, 1–500 ul, or 5–1000 ul.
- **Pro version:** Motorized elevator and motorized head clamp.

Options (continued)

- **Extended Height Version:** For vacuum manifold/SPE.
- **Stage options.** Single stage, 2-plate shuttle, 2-plate shuttle with serial dilution indexing, or motorized 2-plate shuttle with serial dilution indexing (Pro only).
- Disposable tip heads with 8, 12, 16, 24, 96 or 384 channels for Apricot 550 tips or Apricot EZ-Load tips.

Applications

- Plate replication.
- Plate reformatting.
- Reagent addition.
- Compound addition.
- Serial dilution.

Specifications

- **Dispensing Precision** (96-500) <3% CV at 5 ul
(96-125/384) <3% CV at 1 ul
- **Dispensing Accuracy** (96-500) +/- 2% at 10 ul
(96-125/384) +/- 2% at 1 ul
- **Resolution** (96-500) 1 ul (96-125/384) 0.1 ul
- **Volume** (96-500) 1-500 ul (96-125/384) 0.5-125 ul
- **Dimensions** 9"W x 14"D x 19.5"H
229W x 356D x 495H mm
- **Weight** Approx. 44 lbs. (20 kg)
- **Power** 100 to 240 VAC, 50/60 Hz
- **Operating Temperature** 10–38 °C



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