iTrack, Pipette Tracking System

CE

Size: 255mm x 230mm x 54mm

iTrack is a recording system for the liquid handling. It can automatically keep tracking and recording your sample or solution preparation steps. Biological experiments increasingly involve large numbers of samples, making liquid handling in these experiments a challenge for investigators. With iTrack, investigators won't forget which well has been already loaded. It is compatible with 96, 384-well microplate, and works with multichannel pipettes.

iTrack sensors detect pipetting locations automatically

- No need to program pipetting patterns or import protocols

- No need to press any button after every pipetting step

- Two sensor scanning layers

  - Higher layer for 96-well microplates & tubes
  - Lower layer for 384-well microplates

**The reason why we design and develop iTrack:

Pipetting error is a major cause for reaction failure. There has been a number of pipetting tracking devices on the market. However, none of them is able to detect actual pipetting locations. Users have to enter their pipetting protocol first, then manually press an advance button after each pipetting step. Attempting to reduce the pipetting errors, these devices introduce additional steps in the process that may cause more errors. "There must be a more elegant solution with today's technology". That's why we launch iTrack.

Detected pipetting locations are illuminated both under the wells and on the side to guide pipetting

- Work for both transparent and opaque microplates and tubes

- Multiple pipetting at the same location are illuminated in different colors and numbers
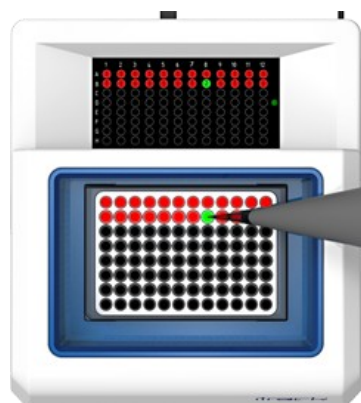
A beep sound after every step to confirm detection

**Avoid pipetting error with a tablet PC:

Manual pipetting on microplates could be stressful and error-prone.

The tablet powered iTrack uses optical sensors to detect your pipetting locations and flag them with lights and sounds.

It also records every pipetting step in a log file for you to review. iTrack helps eliminate the stress and errors of manual pipetting.

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Items	Specifications
Compatible Pipette	Single-, 8-, & 12-channel (fixed space)
Compatible Tip	0.1 - 1,000 µL
Compatible Microplate / Tube (PCR, ELISA, storage…)	96-Well Microplate (height < 23.5 mm) 384-Well Microplate (height < 11 mm) 8-tube / 12-tube strips
Control System	Android Tablet
CPU & RAM	Quad-Core A9 1.6GHZ, 1G DDR3 RAM
Storage	8 GB NAD Flash, MicroSD supports 64GB
Ports	MicroSD, MicroUSB, power, headset
Display	8" Capacitive Touch Screen, 1,024 x 768 pixel
Cameras	Front / 2MP Back
Operation Voltage	100-240V / 0.3A (Tablet)
Operation Power Consumption	5V / 0.5A
Battery	3.7V – 3500mAh
Scan Light Source	IR Light-Emitting Diode
Scan Frequency	200 - 500 Hz
Detection Time	0.5 - 3 sec.
Size	255mm x 230mm x 54mm (10" x 9" x 2")
Weight	1.9 Kg (4.1 lb)

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