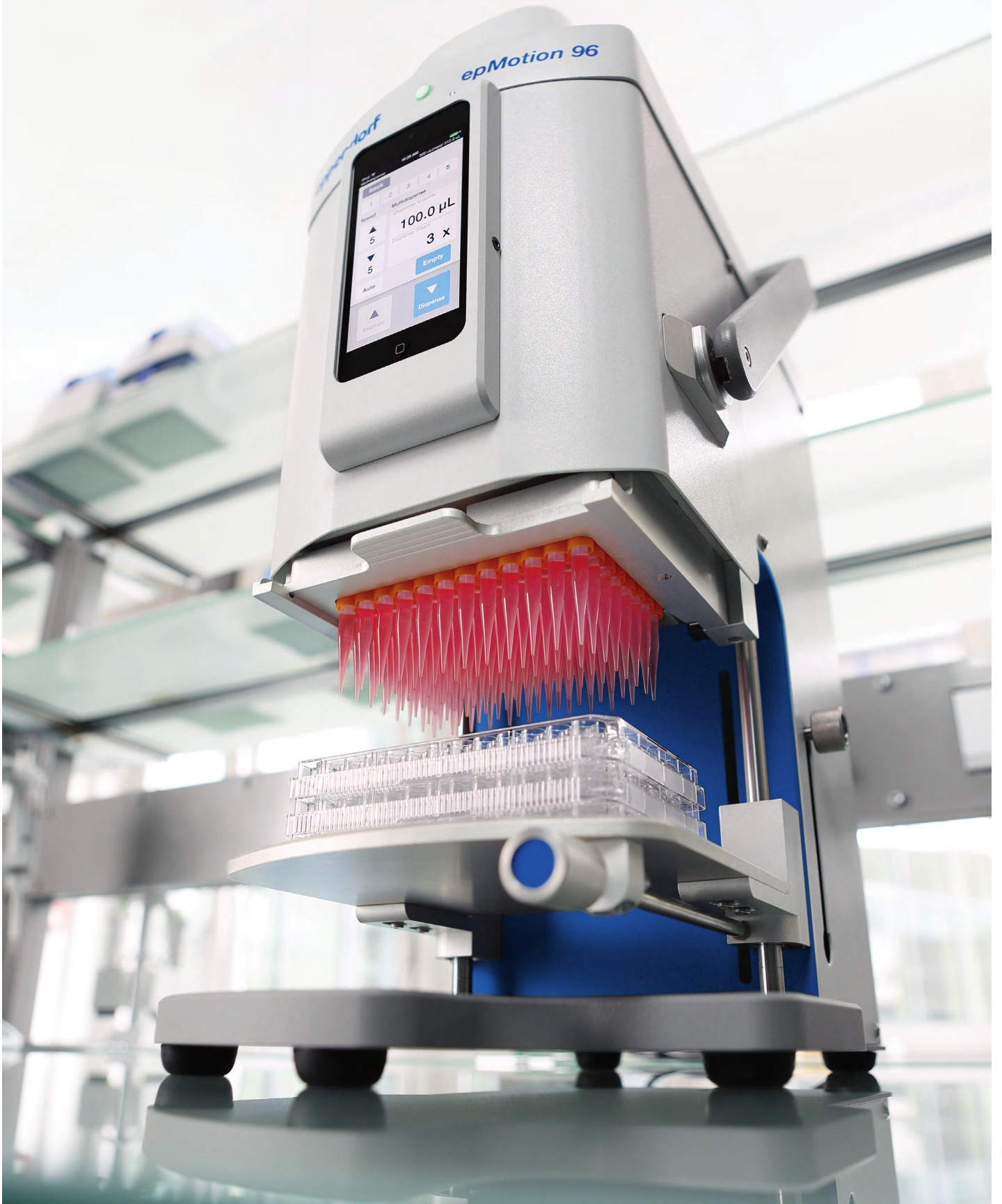


96 Well? Done!

Eppendorf *epMotion*® 96—semi-automated electronic pipette for fast and precise 96 channel microplate processing



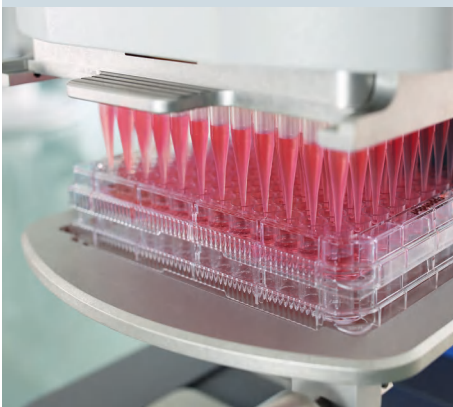
Try it and you will see how easy and fast your 96-well and 384-well plates get processed.

»Increase your productivity and pipet whole 96-well plates at once. Just make it faster and more precise.«

The Eppendorf epMotion 96 is an easy to use bench top system for high precision pipetting in 96- and 384-well plates. As an affordable solution it overcomes the limits of manual multichannel pipetting. Its ergonomic design and intuitive handling makes epMotion 96 a great tool for anyone who needs fast and precise liquid handling in a 96-well format. Save time and money while getting better reproducibility of your results from cell based assays, ELISA, cell seeding, nucleic acid purification, plate reformatting or other applications.

Simultaneous 96-well pipetting

- > Performs 12 times faster than 8 channel pipets
- > Electronic pipetting with parallel piston movement for better precision and reproducibility of results
- > Precision of < 3 % at 1 μL
- > Accuracy of < 2 % at 1 μL



Ease of use

- > 0.5 to 300 μL or 5 to 1000 μL with one system without the need to change heads
- > Auto-detection of tip size
- > Possibility to use two tip sizes to maximize accuracy
- > Compact design to fit in a laminar flow hood



Ergonomics

- > Intuitive and industry proven software concept
- > Convenient touch screen
- > Easy and rapid tip load- and reloading
- > Optional 2-position slider to toggle between source and destination
- > Reduced risk of repetitive stress injury (RSI)



epMotion[®] 96: Fast and precise 96 ch

Compact design

Small footprint, fits under laminar flow hood and can be easily moved between labs

Control unit Apple[®] iPod[®]

High quality touch screen for convenient system control. Accessible by other iOS 9 devices (iPhone[®], iPod[®]) via WiFi

Loading frame

For quick exchange of ep.T.I.P.S.[®] Motion reload tip trays

Lifting table

Supports a variety of SBS-size labware such as micro plates, reservoirs, and ThermoAdapters. 384-well plates can be pipetted by indexing (also available as 2-position slider)

Manually lift plates up and lock in place

Easy/fast adjustments to different labware heights and filling levels



96-well microplate processing

Tip attachment lever

Minimal force needed to attach tips to the 96 nose-cone array for ergonomic operation

Auto-detect function for tip size

Convenient verification between different tip sizes allows for more accurate volume settings and better pipetting performance

Height adjustment

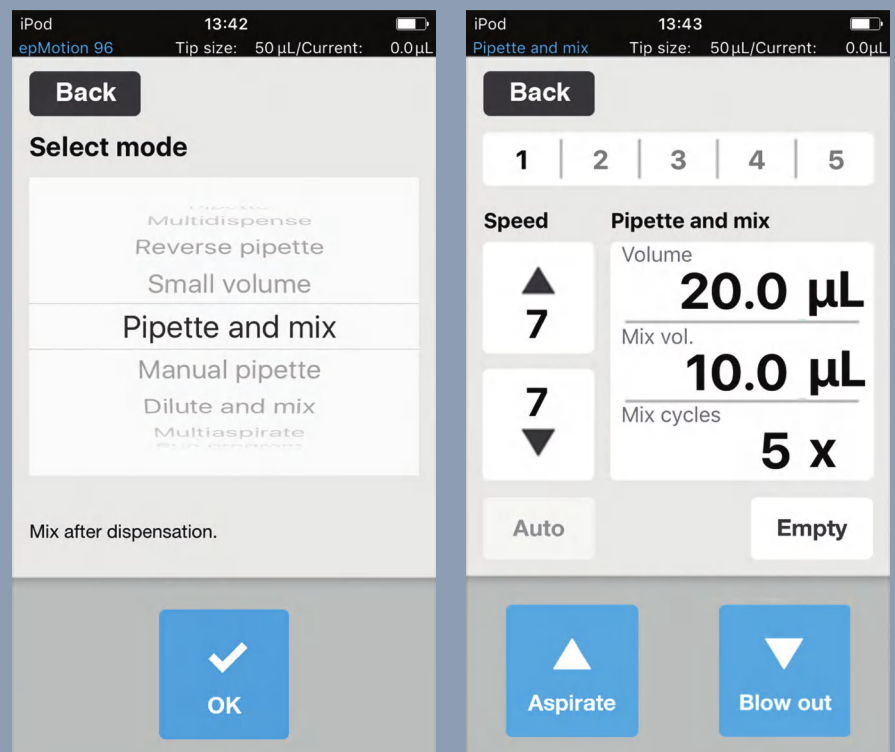
Possibility to pre-set labware heights in 2 positions for repetitive tasks or auto-pipetting mode

Accessory plate

for handling 384-well plates by indexing with the lifting table

Intuitive Operation

- > Software based on Eppendorf Xplorer® electronic pipettes provided as free Apple app
- > Intelligent, preset applications: aspiration, dilution, sequential dispensing, multi dispensing, small volume and reverse pipetting
- > Set individual parameters for aspiration or dispensing speed to match your current liquid class
- > Save frequently used volumes for quick programming
- > Possibility to program multi-step pipetting tasks for complex applications



Applications

- > Replication and reformatting of microplates and deepwell plates
- > Cell seeding and media change
- > Reagent and compound addition
- > 384-wells by 4 times 96-well pipetting
- > Cell-based assays
- > ELISA handling (plate coating and wash)
- > Biochemical assays
- > Nucleic acid purification in 96-well format

Ease Your Workflow



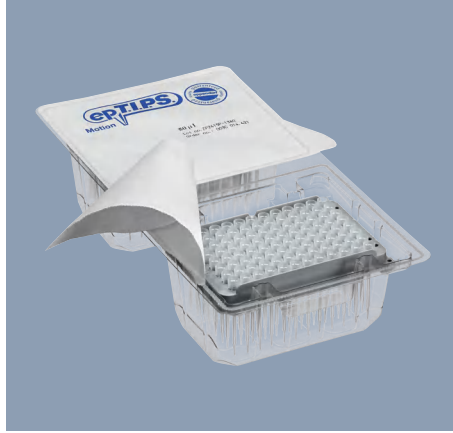
- 1 Insert the appropriate tip type into the loading frame (0.5 – 50 μ L or 5 – 300 μ L for epMotion 96, 5 – 300 μ L or 10 – 1000 μ L for epMotion 96xl)
- 2 Slide loading frame into epMotion 96 and apply lever to easily attach tips to the 96 nose-cone array
- 3 Select mode, e.g. »Pipette + Mix«, and adjust plate on lifting table towards the tips (if 2-position slider is mounted, source or destination position is selected)
- 4 Touch »Aspirate« to take liquid from source plate, change to destination plate and touch »Dispense«



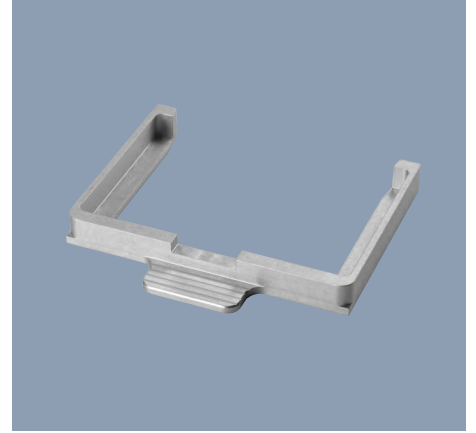
Related Consumables and Accessories



300 µL tips as reload system (color coded for easy volume identification)



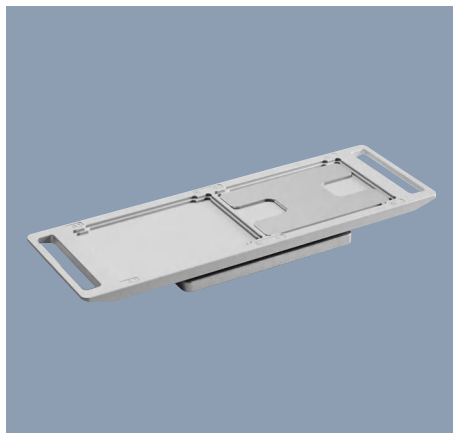
50 µL tips as reload system (reduces plastic waste of tip boxes by 40 %)



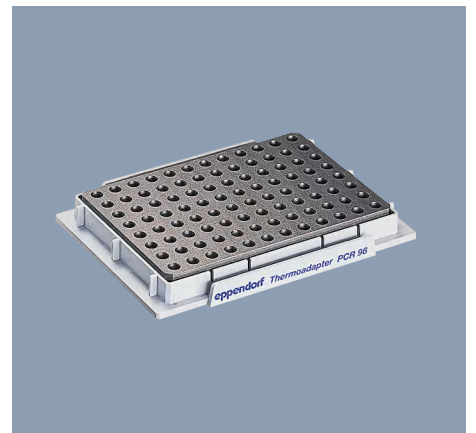
Additional loading frame



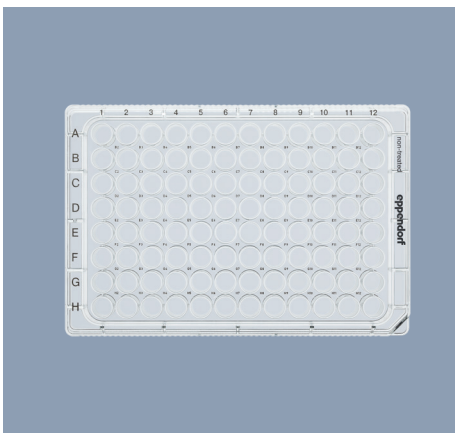
TipHolder for temporary storage of tip tray



Upgrade set 2-position slider for existing epMotion 96 systems



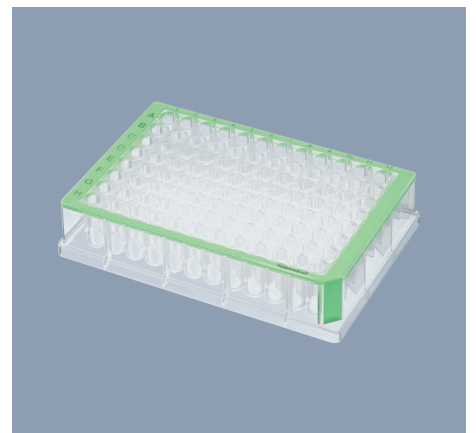
Thermoblock for PCR 96- and 384-well for temperature sensitive samples



Eppendorf Cell Culture Plates 96-well



Eppendorf Assay/Reader Microplates and Eppendorf twin.tec® PCR plates 96- and 384-well



Eppendorf Deepwell Plates

Technical Specifications

	epMotion96	epMotion 96xl	
Dimension of device	Width: 9 in/22.9 cm Depth: 18 in/45.7 cm	Height: 23 in/57.6 cm 23 in	
	Height: 21 in/53.3 cm		
Weight of device	42 lb/19 kg	44 lb/20 kg	
Power supply	100-240 V ± 10 %, 50-60 Hz ± 5 %, 175 W (max. output)		
Compatible plate formats	96- and 384-well microplates, shallow and deepwell (<1.3 in/3.4 cm height)		
Controller*	Capacitive touch full color LCD (via Apple iPod device WiFi connected)		
Modes	Pipette, Multidispense, Multiaspirate, Pipette + Mix, Manual Pipette, Dilute + Mix, Reverse Pipetting, Small volume, Programming		
Pipetting technology	96 channel air displacement		
Volume range	50 μL tips 0.5 to 50 μ L	1000 μL tips 10 to 1000 μ L	
	300 μL tips 5 to 300 μ L		
Performance	Volume	Systematic measurement error	Random measurement error
with epMotion 96	1 μ L (50 μ L tips)	± 2 %	< 3%
	10 μ L (300 μ L tips)	± 2 %	< 3%
with epMotion 96xl	5 μ L (300 μ L tips)	± 2 %	< 3%
	10 μ L (1000 μ L tips)	± 2 %	< 3%

* Apple iPod controller must be ordered separately.

Ordering information

Description	International Ordering no.	North America Ordering no.
epMotion® 96, semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 0.5-300 μ L	5069 000.012	5069000004
epMotion® 96 with 2-position slider, semi-automated electronic pipette for parallel 96 channel microplate processing (with 2 positions, without iPod® controller), 0.5-300 μ L	5069 000.110	5069000101
epMotion® 96xl, semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 5-1000 μ L	5069 000.217	5069000209
epMotion® 96xl, with 2-position slider, semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 5-1000 μ L	5069 000.314	5069000306
iPod touch® 16 GB Blue (epMotion 96 controller)		960002580
50 μ L, Reloads, Filter, PCR clean and sterile, 12 x 2 trays with 96 tips	0030 014.529	0030014529
50 μ L, Reloads, Filter, PCR clean, 12 x 2 trays with 96 tips	0030 014.430	0030014430
50 μ L, Reloads, Eppendorf Quality™, 12 x 2 trays with 96 tips	0030 014.421	0030014421
300 μ L, Reloads, Filter, PCR clean and sterile, 12 x 2 trays with 96 tips	0030 014.537	0030014537
300 μ L, Reloads, Filter, PCR clean, 12 x 2 trays with 96 tips	0030 014.472	0030014472
300 μ L, Reloads, Eppendorf Quality™, 12 x 2 trays with 96 tips	0030 014.464	0030014464
1000 μ L, Reloads, Filter, PCR clean and sterile, 12 x 2 trays with 96 tips	0030 014.570	0030014570
1000 μ L, Reloads, Filter, PCR clean, 12 x 2 trays with 96 tips	0030 014.510	0030014510
1000 μ L, Reloads, Eppendorf Quality™, 12 x 2 trays with 96 tips	0030 014.502	0030014502
Low dead volume reservoir 195 mL, single well with 96 cavities, PCR clean, 4 x 5 reservoirs	0030 126.556	0030126556
Upgrade set 2-position slider, for upgrading existing epMotion® 96 from 1 to 2 positions	5069 074.008	5069074008