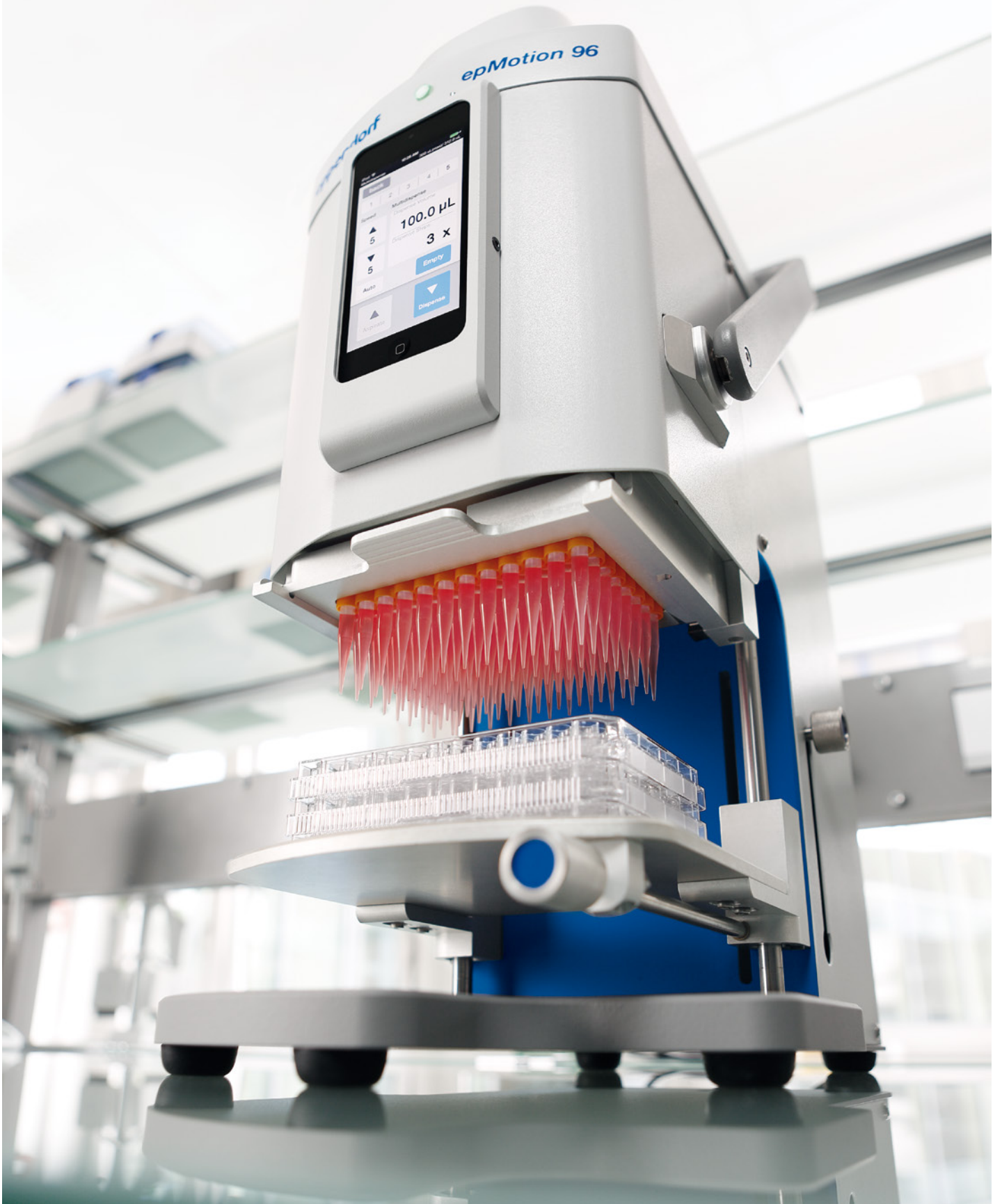


96 Well? Done!

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



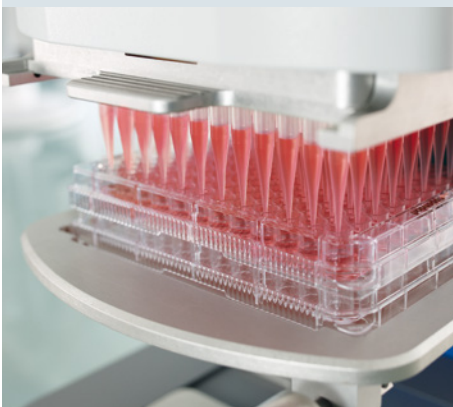
Try it and you will see how easy and fast your 96-well and 384-well plates get processed.

»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 epT.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 tips allows for more accurate volume settings and better pipetting performance

Height adjustment

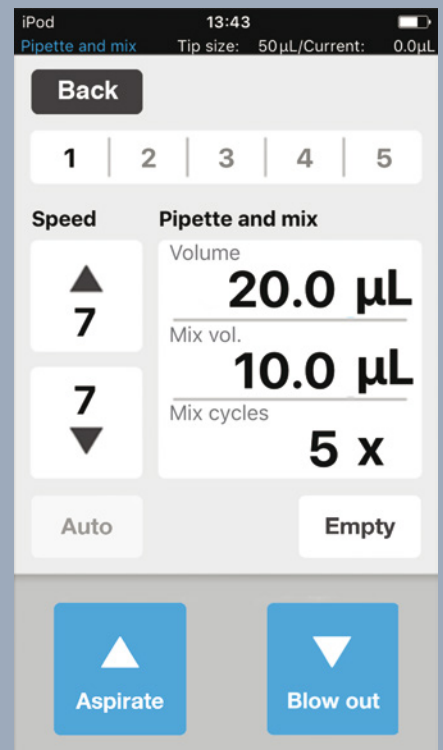
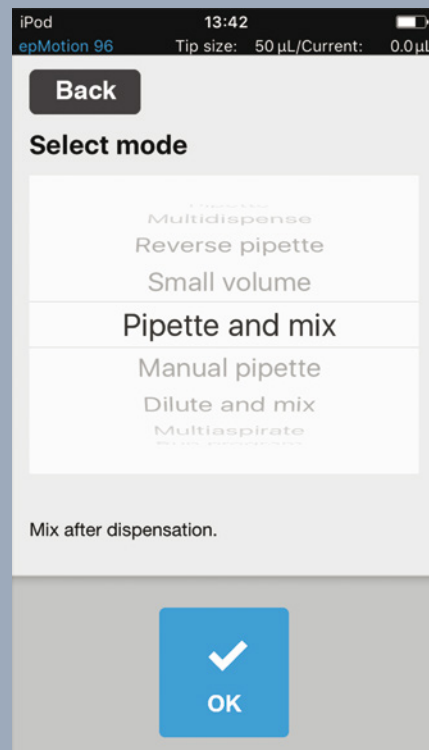
Possibility to pre-set labware heights in 2 positions for repetitive tasks or auto-pipetting mode

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 μ L tips as reload system (color coded for easy volume identification)



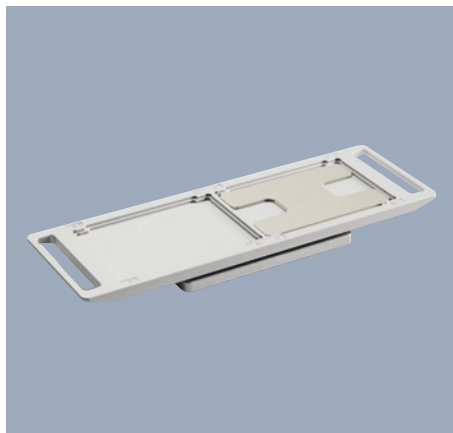
50 μ L tips as reload system (reduces plastic waste of tip boxes by 40 %)



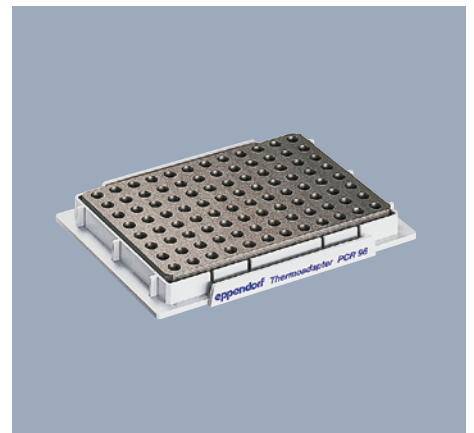
Additional loading frame



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

> Find all the matching consumables: www.eppendorf.com/automation

Technical Specifications

	epMotion96	epMotion 96xl	
Dimension of device	Width: 9 in/22.9 cm Depth: 18 in/45.7 cm	Width: 9 in/22.9 cm Depth: 18 in/45.7 cm	
	Height: 21 in/53.3 cm	Height: 23 in/57.6 cm 23 in	
Weight of device	42 lb/19 kg	44 lb/20 kg	
Power supply	100-240 V $\pm 10\%$, 50-60 Hz $\pm 5\%$, 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)	$\pm 2\%$	< 3%
	10 μ L (300 μ L tips)	$\pm 2\%$	< 3%
with epMotion 96xl	5 μ L (300 μ L tips)	$\pm 2\%$	< 3%
	10 μ L (1000 μ L tips)	$\pm 2\%$	< 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

Please visit www.eppendorf.com/epServices for available epMotion 96 Performance Plans service products.

Your local distributor: www.eppendorf.com/contact

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