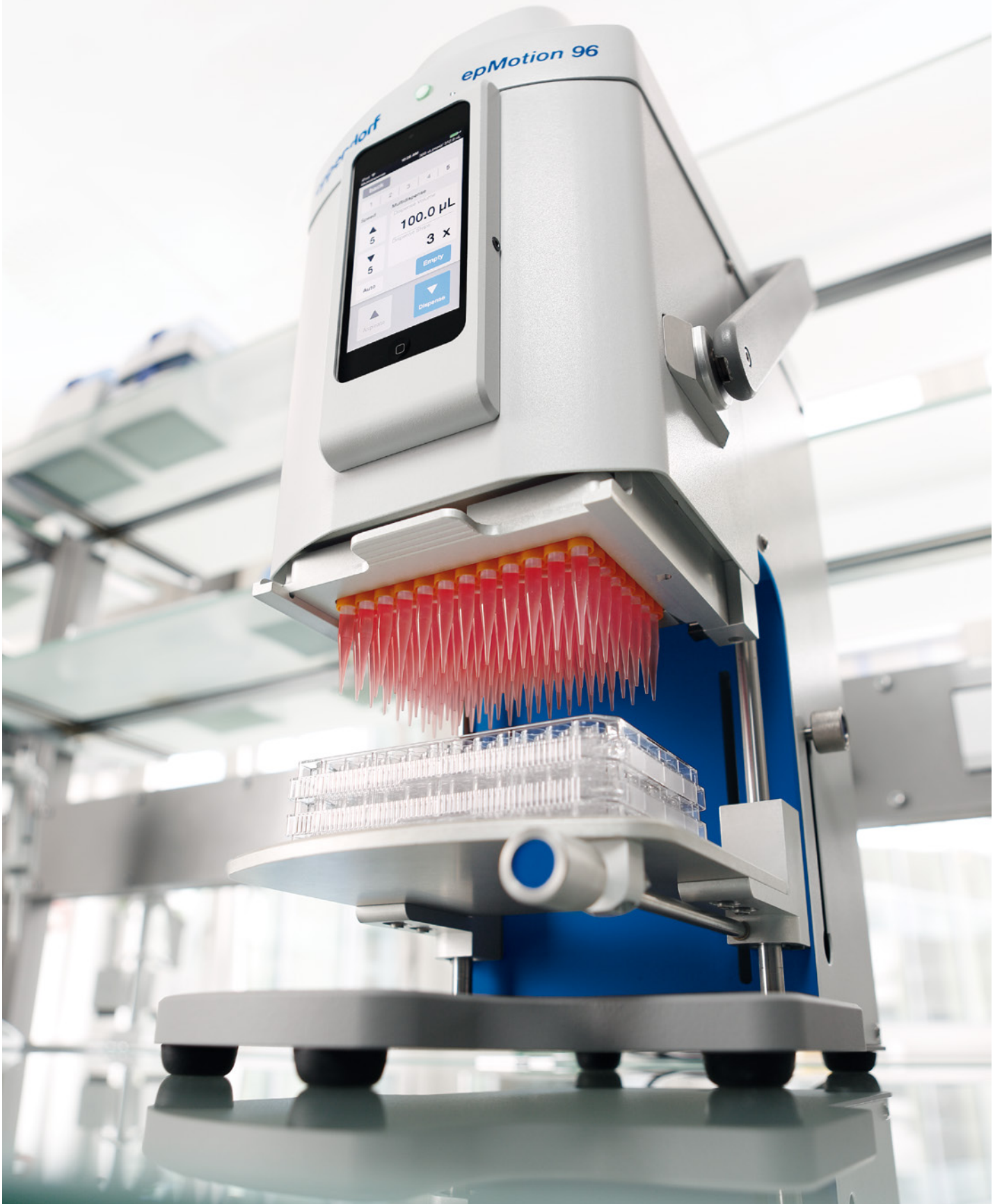


# 96 Well? Done!

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



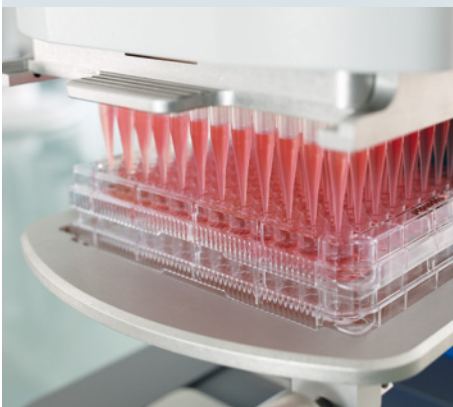
Try it and you will see how easy and fast your 96-well and 384-well plates get processed.

# »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  $\mu\text{L}$
- > Accuracy of < 2 % at 1  $\mu\text{L}$



## Ease of use

- > 0.5 to 300  $\mu\text{L}$  or 5 to 1000  $\mu\text{L}$  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<sup>®</sup> 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<sup>®</sup> iPod<sup>®</sup>

High quality touch screen for convenient system control. Accessible by other iOS 9 devices (iPhone<sup>®</sup>, iPod<sup>®</sup>) via WiFi

## Loading frame

For quick exchange of epT.I.P.S.<sup>®</sup> 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

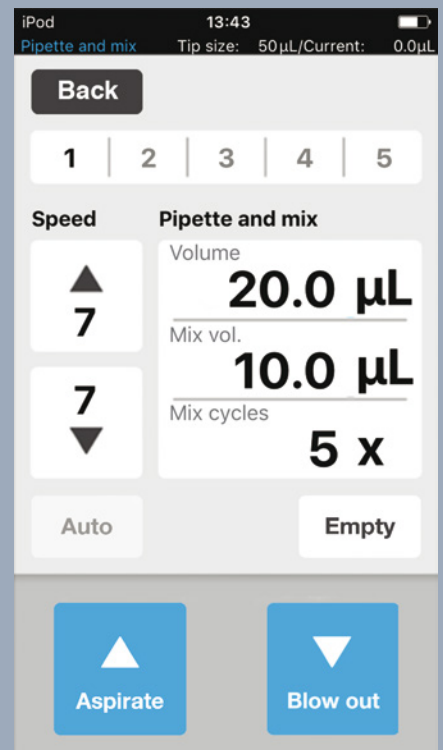
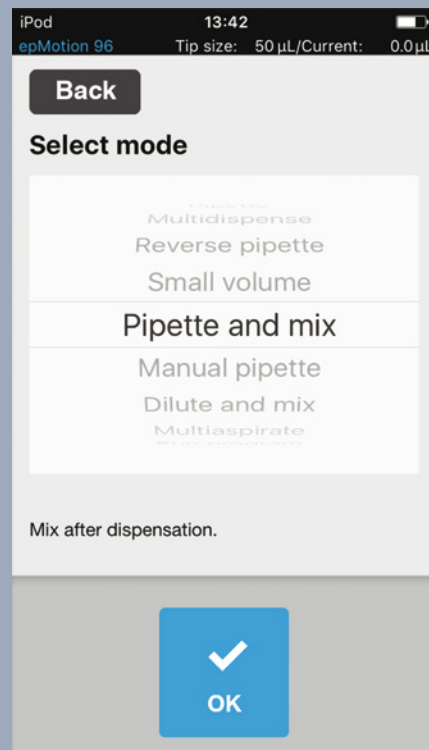
Possibility to pre-set labware heights in 2 positions for repetitive tasks or auto-pipetting mode

## 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  $\mu$ L or 5 – 300  $\mu$ L for epMotion 96, 5 – 300  $\mu$ L or 10 – 1000  $\mu$ 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  $\mu$ L tips as reload system (color coded for easy volume identification)



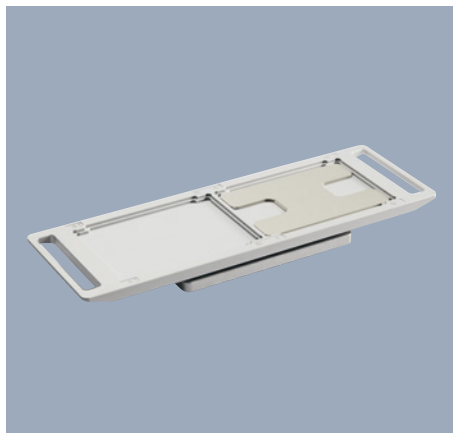
50  $\mu$ L tips as reload system (reduces plastic waste of tip boxes by 40 %)



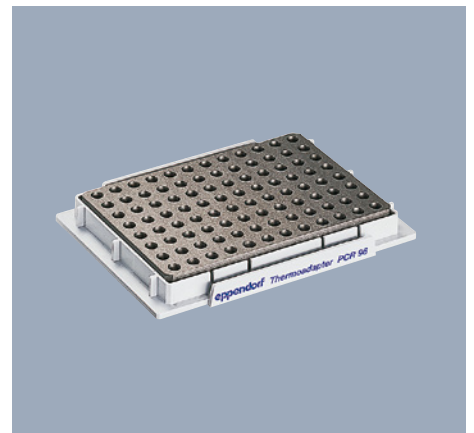
Additional loading frame



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<sup>®</sup> PCR plates 96- and 384-well



Eppendorf Deepwell Plates



## Technical Specifications

	epMotion96	epMotion 96xl	
<b>Dimension of device</b>	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	
<b>Weight of device</b>	42 lb/19 kg	44 lb/20 kg	
<b>Power supply</b>	100-240 V $\pm 10$ %, 50-60 Hz $\pm 5$ %, 175 W (max. output)		
<b>Compatible plate formats</b>	96- and 384-well microplates, shallow and deepwell (<1.3 in/3.4 cm height)		
<b>Controller*</b>	Capacitive touch full color LCD (via Apple iPod device WiFi connected)		
<b>Modes</b>	Pipette, Multidispense, Multiaspirate, Pipette + Mix, Manual Pipette, Dilute + Mix, Reverse Pipetting, Small volume, Programming		
<b>Pipetting technology</b>	96 channel air displacement		
<b>Volume range</b>	<b>50 <math>\mu</math>L tips</b> 0.5 to 50 $\mu$ L	<b>1000 <math>\mu</math>L tips</b> 10 to 1000 $\mu$ L	
	<b>300 <math>\mu</math>L tips</b> 5 to 300 $\mu$ L		
<b>Performance</b>	<b>Volume</b>	<b>Systematic measurement error</b>	<b>Random measurement error</b>
<b>with epMotion 96</b>	1 $\mu$ L (50 $\mu$ L tips)	$\pm 2\%$	< 3%
	10 $\mu$ L (300 $\mu$ L tips)	$\pm 2\%$	< 3%
<b>with epMotion 96xl</b>	5 $\mu$ L (300 $\mu$ L tips)	$\pm 2\%$	< 3%
	10 $\mu$ L (1000 $\mu$ 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 $\mu$ 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 $\mu$ L	5069 000.110	5069000101
epMotion® 96xl, semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 5-1000 $\mu$ 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 $\mu$ L	5069 000.314	5069000306
iPod touch® 16 GB Blue (epMotion 96 controller)		960002580
50 $\mu$ L, Reloads, Filter, PCR clean and sterile, 12 x 2 trays with 96 tips	0030 014.529	0030014529
50 $\mu$ L, Reloads, Filter, PCR clean, 12 x 2 trays with 96 tips	0030 014.430	0030014430
50 $\mu$ L, Reloads, Eppendorf Quality™, 12 x 2 trays with 96 tips	0030 014.421	0030014421
300 $\mu$ L, Reloads, Filter, PCR clean and sterile, 12 x 2 trays with 96 tips	0030 014.537	0030014537
300 $\mu$ L, Reloads, Filter, PCR clean, 12 x 2 trays with 96 tips	0030 014.472	0030014472
300 $\mu$ L, Reloads, Eppendorf Quality™, 12 x 2 trays with 96 tips	0030 014.464	0030014464
1000 $\mu$ L, Reloads, Filter, PCR clean and sterile, 12 x 2 trays with 96 tips	0030 014.570	0030014570
1000 $\mu$ L, Reloads, Filter, PCR clean, 12 x 2 trays with 96 tips	0030 014.510	0030014510
1000 $\mu$ 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](http://www.eppendorf.com/epServices) for available epMotion 96 Performance Plans service products.

### Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)

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