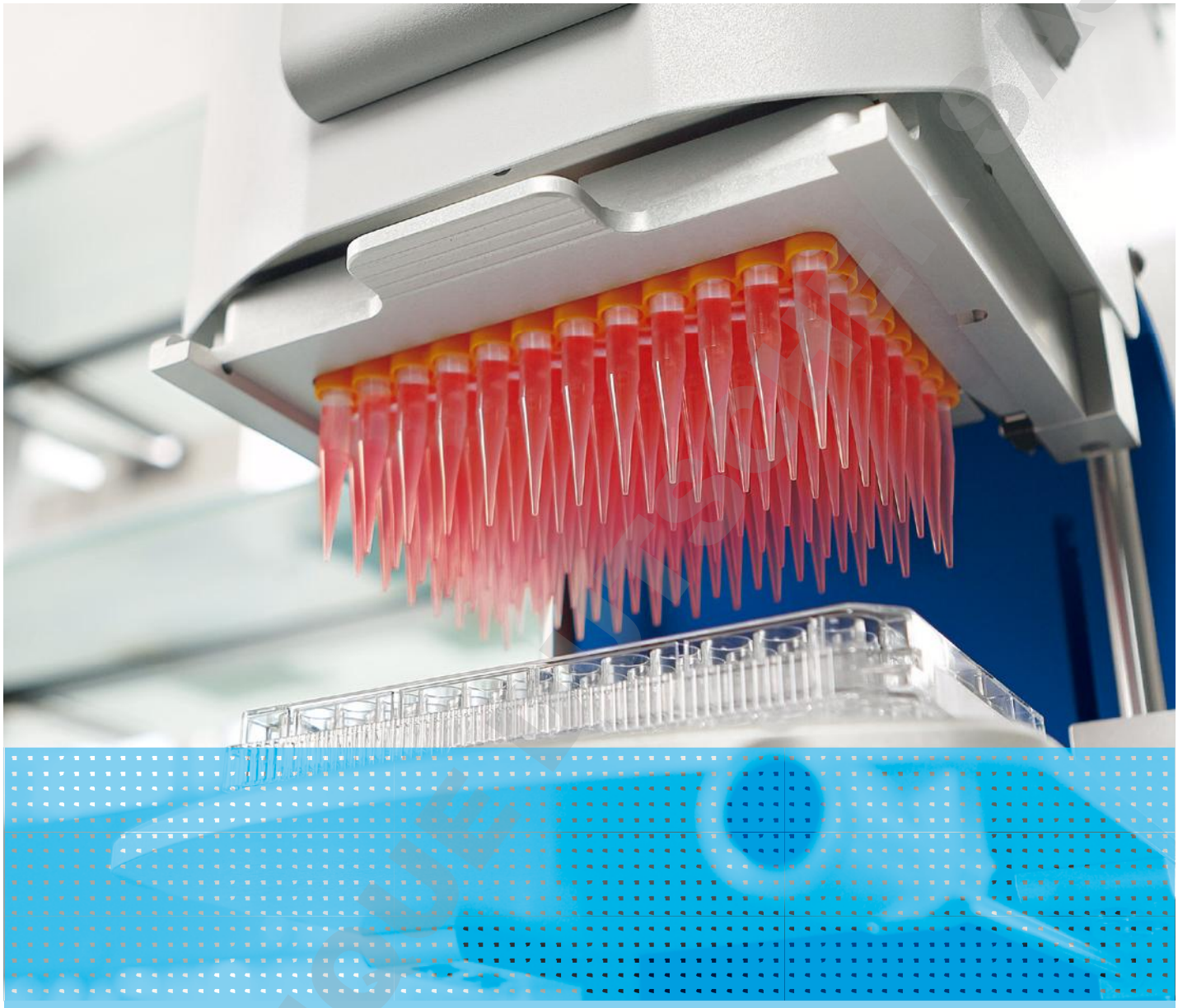
eppendorf



96 Well? Done!

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

DOWNLOADED FROM BIOMARKERS



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 ep*Motion* 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 ep*Motion* 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)







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ep*Motion*® 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



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annel microplate processing

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

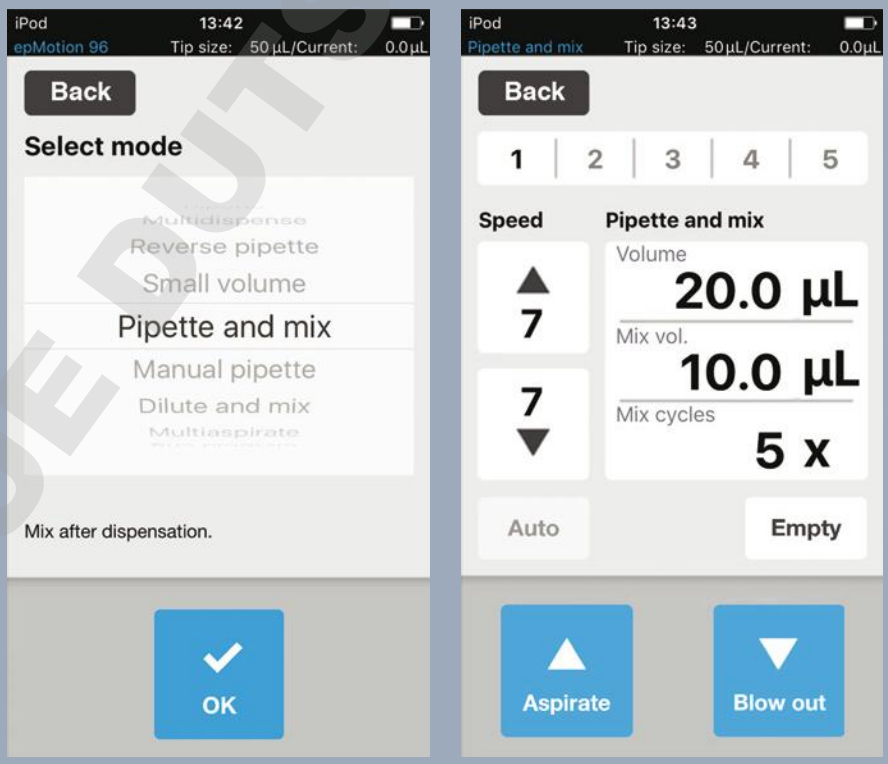
Auto-detect function for tip size
Convenient verification between different tip sizes tips allows for more accurate volume settings and better pipetting performance

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

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Ease Your Workflow





1 Insert the appropriate tip type into the loading frame (0.5 – 50 µL or 5 – 300 µL for epMotion 96, 5 – 300 µL or 10 – 1000 µL for epMotion 96xl)

2 Slide loading frame into ep*Motion* 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«



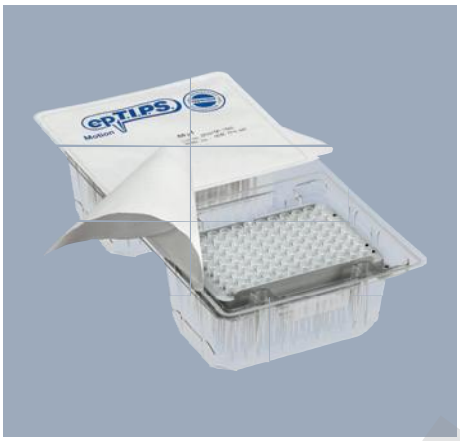


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Related Consumables and Accessories



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 %)



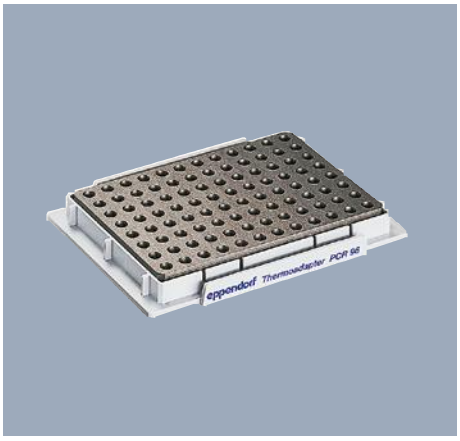
Additional loading frame



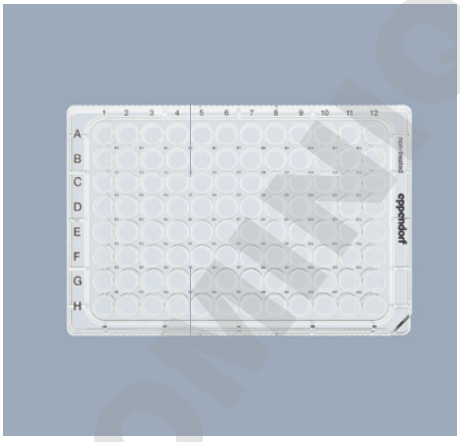
TipHolder for temporary storage of tip tray



Upgrade set 2-position slider for existing ep*Motion* 96 systems



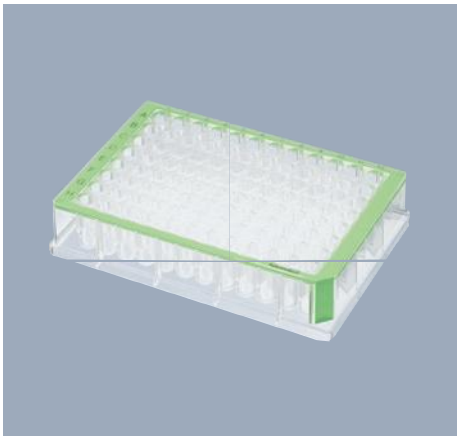
Thermoblock for PCR 96- and 384-well for temperature sensitive samples



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

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Technical Specifications

	ep*Motion*96	ep*Motion* 96xl
Dimension of device	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 ±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**	**1000 µL tips**
	0.5 to 50 µL	10 to 1000 µL
	300 µL tips	
	5 to 300 µL	

Performance	Volume	Systematic measurement error	Random measurement error
with ep*Motion* 96	1 µL (50 µL tips)	± 2%	< 3%
	10 µL (300 µL tips)	± 2%	< 3%
with ep*Motion* 96xl	5 µL (300 µL tips)	± 2%	< 3%
	10 µL (1000 µL tips)	± 2%	< 3%

* Apple iPod controller must be ordered separately.

Ordering information

Description	International Ordering no.	North America Ordering no.
ep*Motion*® 96, semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 0.5-300 µL	5069 000.012	5069000004
ep*Motion*® 96 with 2-position slider, semi-automated electronic pipette for parallel 96 channel microplate processing (with 2 positions, without iPod® controller), 0.5-300 µL	5069 000.110	5069000101
ep*Motion*® 96xl, semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 5-1000µL	5069 000.217	5069000209
ep*Motion*® 96xl, with 2-position slider, semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 5-1000µL	5069 000.314	5069000306
iPod touch® 16 GB Blue (epMotion 96 controller)		960002580
50 µL, Reloads, Filter, PCR clean and sterile, 12 × 2 trays with 96 tips	0030 014.529	0030014529
50 µL, Reloads, Filter, PCR clean, 12 × 2 trays with 96 tips	0030 014.430	0030014430
50 µL, Reloads, Eppendorf Quality™, 12 × 2 trays with 96 tips	0030 014.421	0030014421
300 µL, Reloads, Filter, PCR clean and sterile, 12 × 2 trays with 96 tips	0030 014.537	0030014537
300 µL, Reloads, Filter, PCR clean, 12 × 2 trays with 96 tips	0030 014.472	0030014472
300 µL, Reloads, Eppendorf Quality™, 12 × 2 trays with 96 tips	0030 014.464	0030014464
1000 µL, Reloads, Filter, PCR clean and sterile, 12 × 2 trays with 96 tips	0030 014.570	0030014570
1000 µL, Reloads, Filter, PCR clean, 12 × 2 trays with 96 tips	0030 014.510	0030014510
1000 µL, Reloads, Eppendorf Quality™, 12 × 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 ep*Motion*® 96 from 1 to 2 positions	5069 074.008	5069074008

Please visit www.eppendorf.com/epServices for available ep*Motion* 96 Performance Plans service products.

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