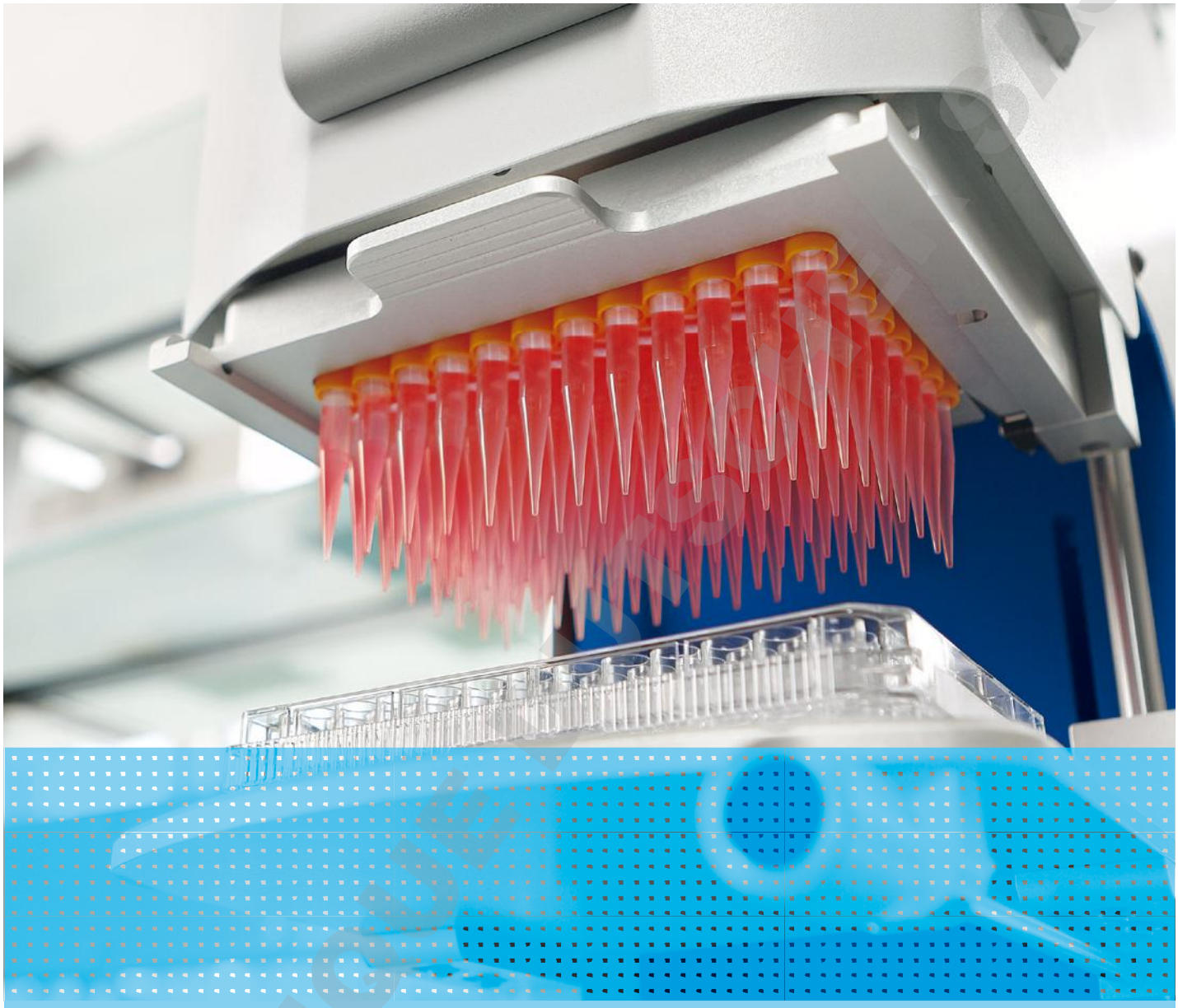
eppendorf



# 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

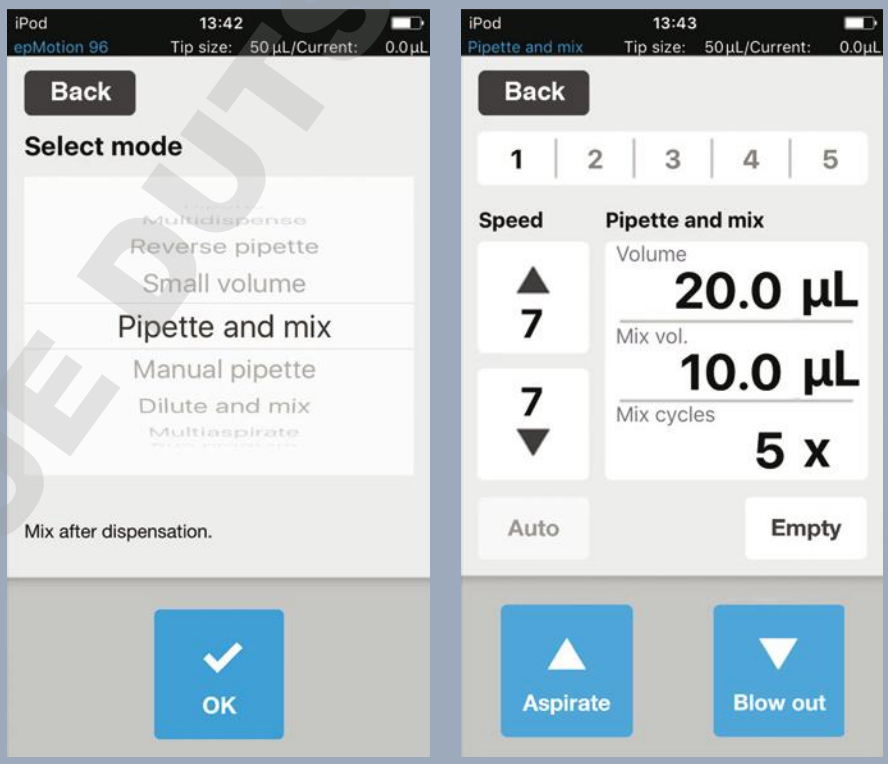
**Auto-detect function for tip size**
Convenient verification between different tip sizes tips allows for more accurate volume settings and better pipetting performance

**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«





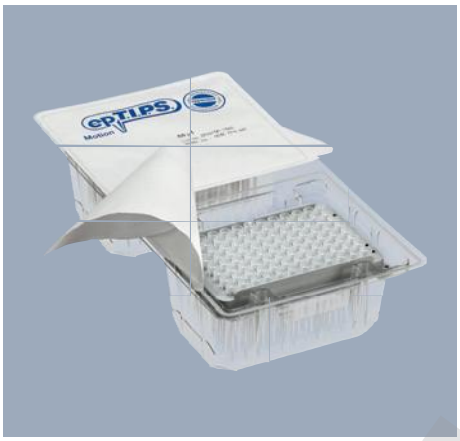


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# Related Consumables and Accessories




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 %)



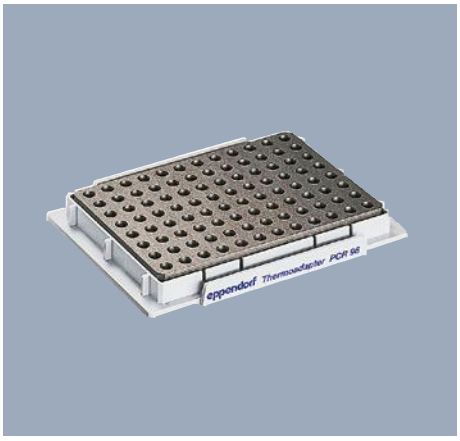
Additional loading frame



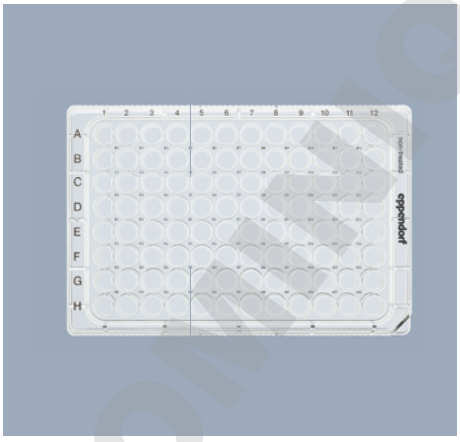

TipHolder for temporary storage of tip tray



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



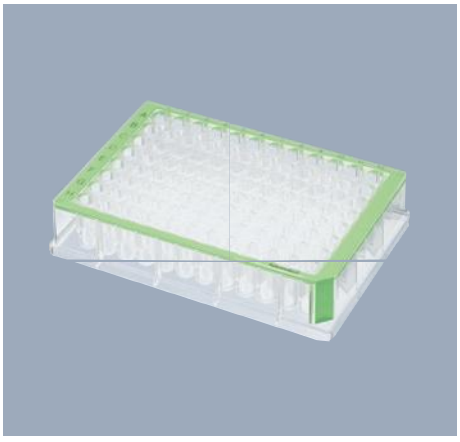

Thermoblock for PCR 96- and 384-well for temperature sensitive samples




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<br>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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