



# Natural Winners

Eppendorf Liquid Handling Instruments:  
Unrivalled in technology, efficiency and handling – for over 50 years



# »Global Research, Eppendorf Engineering.«

Perfection down to the smallest detail – a principle that Eppendorf has adhered into the design and functionality of our liquid handling instruments and consumables. Today, devices and consumables from Eppendorf are used wherever precision, absolute reliability, and safety are necessary. And, Eppendorf's flexible systems offer a variety of options for meeting different laboratory requirements and applicational demands.

## Eppendorf Liquid Handling Instruments

As the inventor of the microliter system, we at Eppendorf have more than 50 years of experience in precise manual and automatic pipetting/dispensing, and transferring of the smallest quantities of liquids.

### Selection Guide

A broad variety of precision instruments from single-channel pipettes to automation. Choose the instrument that best fits your application, throughput, and the kind of liquid that needs to be transferred.

Air-cushion principle

Positive displacement principle

Automated liquid handling

> See page 4 for more information

### PhysioCare Concept®

The use of our liquid handling products has been proven to reduce physical and psychological strain to a minimum by following the rules of the PhysioCare Concept.



> See page 26 for more information

### Eppendorf Services

A comprehensive range of service programs including maintenance, seminars, application, and technical support as well as certification services build the basis for premium support.

**epServices**  
for premium performance

> See page 27 for more information

# Selection Guide

## Air-cushion principle









Model	<b>Eppendorf Research® plus</b>	<b>Eppendorf Reference® 2</b>	<b>Eppendorf Xplorer®/Xplorer® plus</b>	<b>Eppendorf Easypet® 3</b>	<b>Eppendorf Pipet Helper®</b>
Application	Pipetting of aqueous liquids	Pipetting of aqueous liquids	Pipetting of aqueous liquids	Pipetting of aqueous liquids with serological and volumetric pipettes	Pipetting of aqueous liquids with serological and volumetric pipettes
Product type	Pipette	Pipette	Pipette	Pipette controller	Pipette controller
Operation	Mechanical, separate control button and ejector	Mechanical, combined control button and ejector	Electronic, separate control button and ejector	Electronic	Manual
Pipetting type	Air-cushion	Air-cushion	Air-cushion	Air-cushion	Air-cushion
Positioning	Ultra light weight and pipetting force for ultimate ergonomics	Reliability in robustness and results	Intuitive and fast pipetting	Overall ergonomic concept with new speed control for stress-free pipetting	A perfect instrument for inexperienced users because of its robust and intuitive design
Volume range	0.1 µL–10 mL	0.1 µL–10 mL	0.5 µL–10 mL	0.1–100 mL	0.1–100 mL
Available options	1-channel 8-channel 12-channel	1-channel 8-channel 12-channel	1-channel 8-channel 12-channel	1-channel	1-channel
RFID tracking	Yes (read option)	Yes (read & write option)	Yes (read & write option)	Yes (read option)	No
Autoclavable	Yes	Yes	Yes (lower part)	Yes (pipette adapter and aspirating cone)	Yes
Consumables	epT.I.P.S.® and other pipette tips	epT.I.P.S.® and other pipette tips	epT.I.P.S.® and other pipette tips	Eppendorf Serological Pipets and other volumetric and serological pipettes	Eppendorf Serological Pipets and other volumetric and serological pipettes
Purity grades of consumables	> Eppendorf Quality™ > PCR clean > Eppendorf Biopur® > Sterile > Forensic DNA Grade	> Eppendorf Quality™ > PCR clean > Eppendorf Biopur® > Sterile > Forensic DNA Grade	> Eppendorf Quality™ > PCR clean > Eppendorf Biopur® > Sterile > Forensic DNA Grade	> Sterile > Free of detectable RNase & DNase > Free of detectable pyrogens > Free of detectable DNA > Forensic DNA Grade	> Sterile > Free of detectable RNase & DNase > Free of detectable pyrogens > Free of detectable DNA > Forensic DNA Grade
Page	8	10	12	14	14

### Air-cushion principle

Standard pipettes work with an air cushion that separates the piston from the liquid. The air is displaced by the piston. The volume of the displaced air is equivalent to the volume of liquid aspirated.

## Positive displacement principle

					
<b>Repeater® M4</b>	<b>Repeater® E3/E3x</b>	<b>Biomaster® 4830</b>	<b>Maxipettor</b>	<b>Varispenser®/ Varispenser® plus</b>	<b>Eppendorf Top Buret™</b>
Contamination-free dispensing (up to 100 steps per Combitip filling) of aqueous, viscous and volatile liquids	Contamination-free dispensing (up to 100 steps per Combitip filling) of aqueous, viscous and volatile liquids	Pipetting of aqueous, viscose and volatile liquids	Contamination-free pipetting of aqueous, viscose and volatile liquids	Single stroke dispensing of acids, bases and other aqueous liquids	Titration of aqueous liquids
Dispenser	Dispenser	Pipette	Pipette	Bottle top dispenser	Bottle top burette
Mechanical	Electronic	Mechanical, combined control button and ejector	Mechanical	Mechanical	Electronic
Positive displacement	Positive displacement	Positive displacement	Positive displacement and air-cushion	Positive displacement	Positive displacement
Time savings for serial dispensing and high accuracy for problem liquids	Reduced strain for long dispensing series and highest volume flexibility	Contamination-free pipetting	Pipetting with reduced outside fault effects	Dispense small amounts of dangerous chemicals like acids or bases from large supply bottles	Continuous and plus-free manual titration
1 µL–10 mL	1 µL–50 mL	1–20 µL	1–10 mL	0.2–100 mL	0.1–999.9 mL
1-channel	1-channel	1-channel	1-channel	1-channel	1-channel
Yes (read option)	Yes (read & write option)	No	No	No	No
No	No	Yes	No	Yes	No
Combitips advanced®	Combitips advanced®	Mastertip	Eppendorf Maxitips	–	–
> Eppendorf Quality™ > PCR clean > Eppendorf Biopur® > Forensic DNA Grade	> Eppendorf Quality™ > PCR clean > Eppendorf Biopur® > Forensic DNA Grade > Sterile	> Eppendorf Quality™	> Eppendorf Quality™	–	–
17	18	16	16	16	16

### Positive displacement principle

Sample liquid is aspirated into a tip in direct contact with the integrated piston. This system is independent from an air cushion. This offers the advantage of accurate dispensing of liquids regardless of density, viscosity, and volatility.

## Automated liquid handling

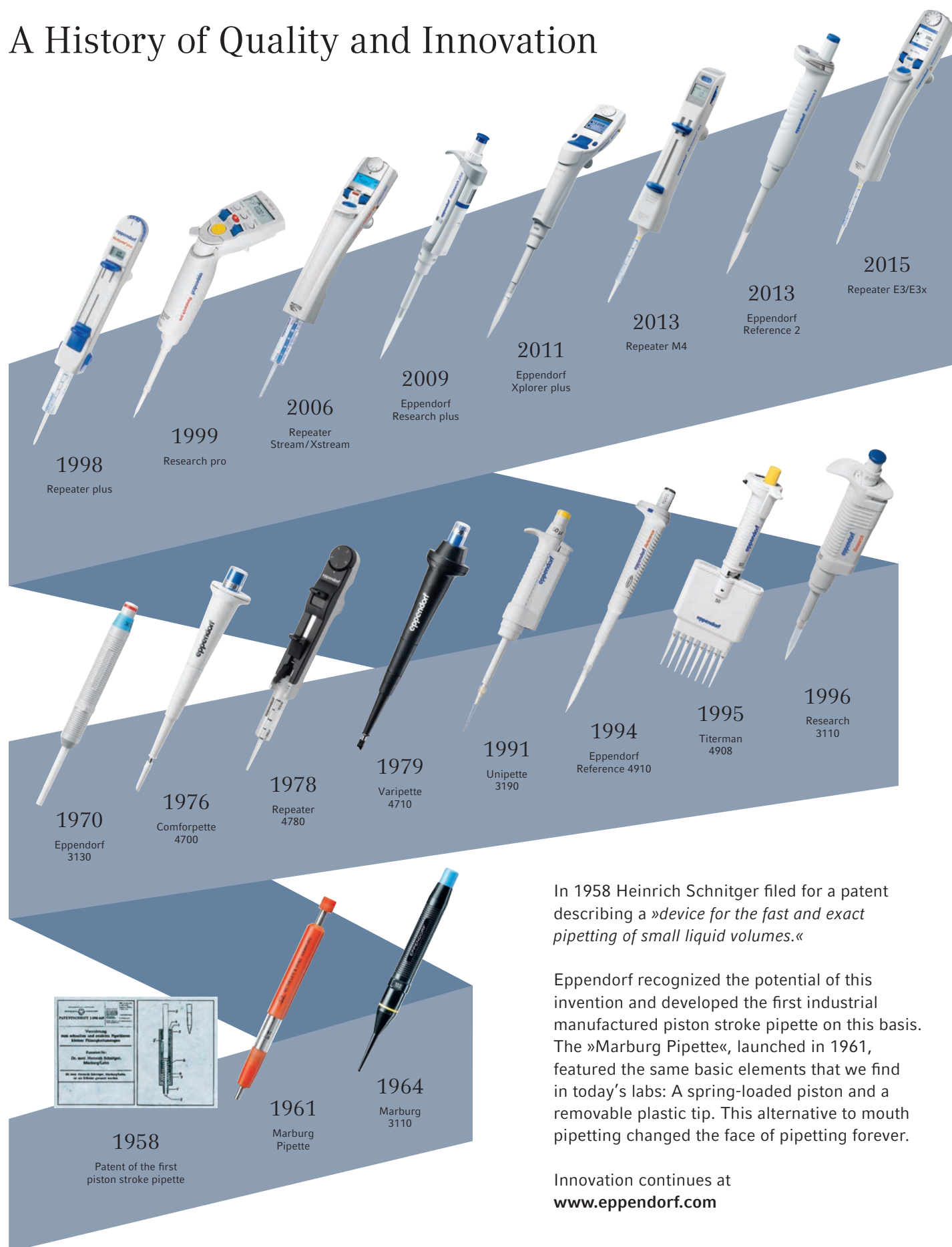


<b>epMotion® 96</b>	<b>epMotion® 5070</b>	<b>epMotion® 5070f</b>	<b>epMotion® 5073</b>	<b>epMotion® 5075</b>
Pipetting of aqueous liquids with 96 channels at once	Serial pipetting of aqueous, viscous and volatile liquids in automated way for easy tasks on small foot print	Serial pipetting of aqueous, viscous and volatile liquids in automated way in cell culture bench or fume hood	Serial pipetting of aqueous, viscous and volatile liquids in automated way for routine tasks	Serial pipetting of aqueous, viscous and volatile liquids in automated way with highest flexibility and tool options
Semi-automated 96 channel pipette	Automated Liquid Handling	Automated Liquid Handling	Automated Liquid Handling	Automated Liquid Handling
Electronic	Automation	Automation	Automation	Automation
Air-cushion	Air-cushion	Air-cushion	Air-cushion	Air-cushion
Intuitive and fast pipetting in 96 and 384 format	Reproducible, contamination-free, contactless pipetting at high precision and accuracy	Same as 5070 but operation in laminar flow bench or fume hood	Same as 5070 but more flexibility with 6 deck positions and more features	Same as 5070 but full flexibility with 15 deck positions and even more features
0.5–300 µL, 10–1,000 µL	0.2–1,000 µL, 1 & 8 channel	0.2–1,000 µL, 1 & 8 channel	0.2–1,000 µL, 1 & 8 channel	0.2–1,000 µL, 1 & 8 channel
2-position lifting table	Automatic exchange of 2 dispensing tools, tablet or PC control	Automatic exchange of 2 dispensing tools, tablet or PC control	Same as 5070 plus gripper transport, 1 thermal module, ThermoMixer, magnetic separation HEPA filter & UV light	Same as 5073 plus 3 thermal modules, Automatic exchange of 4 dispensing tools, Vacuum separation
No	No, but chip tool identification and calibration warning	No, but chip tool identification and calibration warning	No, but chip tool identification and calibration warning	No, but chip tool identification and calibration warning
No	Yes (tools)	Yes (tools)	Yes (tools), UV light and HEPA filter (optional)	Yes (tools), UV light and HEPA filter (optional)
epT.I.P.S.® Motion reload system	epT.I.P.S.® Motion tips as racks or reloads	epT.I.P.S.® Motion tips as racks or reloads	epT.I.P.S.® Motion tips as racks or reloads	epT.I.P.S.® Motion tips as racks or reloads
> Eppendorf Quality™ > PCR clean > Eppendorf sterile	> Eppendorf Quality™ > PCR clean > Eppendorf sterile > Eppendorf PCR clean & sterile	> Eppendorf Quality™ > PCR clean > Eppendorf sterile > Eppendorf PCR clean & sterile	> Eppendorf Quality™ > PCR clean > Eppendorf sterile > Eppendorf PCR clean & sterile	> Eppendorf Quality™ > PCR clean > Eppendorf sterile > Eppendorf PCR clean & sterile
22	23	23	24	25

### Automated liquid handling

Easy programming of liquid handling steps for aspiration, dispensing or multi-dispensing of defined liquid classes, temperature incubations, plate-mixing, vacuum, or magnetic bead separations.

# A History of Quality and Innovation



In 1958 Heinrich Schnitger filed for a patent describing a »device for the fast and exact pipetting of small liquid volumes.«

Eppendorf recognized the potential of this invention and developed the first industrial manufactured piston stroke pipette on this basis. The »Marburg Pipette«, launched in 1961, featured the same basic elements that we find in today's labs: A spring-loaded piston and a removable plastic tip. This alternative to mouth pipetting changed the face of pipetting forever.

Innovation continues at  
[www.eppendorf.com](http://www.eppendorf.com)

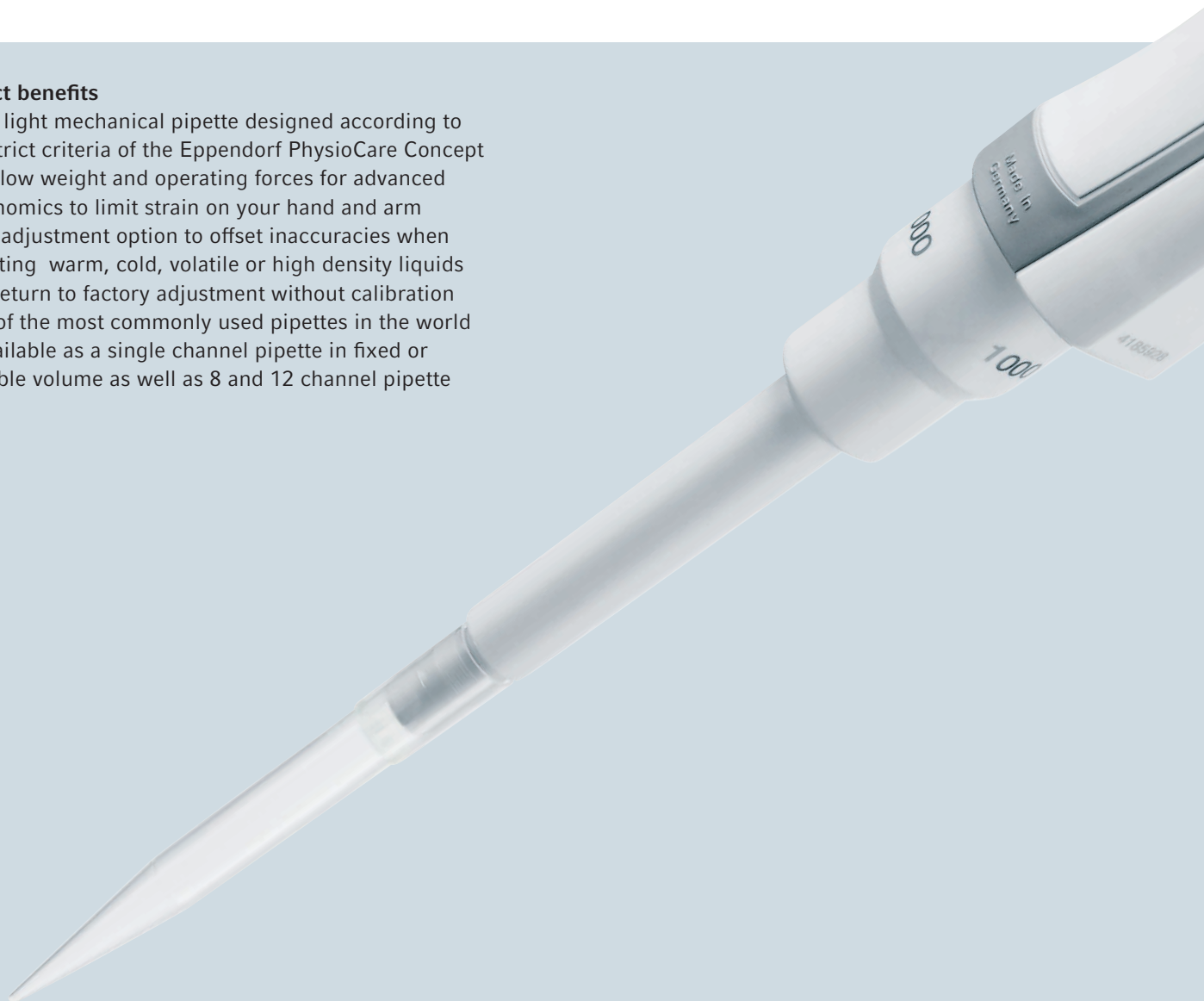
## Eppendorf Research® plus

The Eppendorf Research plus combines over 50 years of innovation in liquid handling to provide you with one of the safest and most ergonomic pipettes available today. The Research plus is remarkably light, both in terms of weight and pipetting forces, setting new standards for ergonomic operation. It is comforting to know you are working with one of the most advanced pipettes in the world.

A spring loaded tip cone, a secondary adjustment option, an improved volume display – and all that in an ultra light, fully autoclavable pipette. The Research plus pipette will become an indispensable tool in your laboratory.

### Product benefits

- > Ultra light mechanical pipette designed according to the strict criteria of the Eppendorf PhysioCare Concept
- > Very low weight and operating forces for advanced ergonomics to limit strain on your hand and arm
- > User adjustment option to offset inaccuracies when pipetting warm, cold, volatile or high density liquids and return to factory adjustment without calibration
- > One of the most commonly used pipettes in the world is available as a single channel pipette in fixed or variable volume as well as 8 and 12 channel pipette





reddot design award  
winner 2009

### High flexibility

Your new pipette should offer all the flexibility you need. Adjust your Research plus to your needs, autoclave the entire pipette or only the lower part. Choose among single channel, multi channel and fix-volume pipettes in different sizes.

### Secondary adjustment option for various liquid classes

Adjust your pipette in seconds for better accuracy when pipetting various difficult liquids like ethanol or even when pipetting at high altitudes.

### Advanced ergonomics

Feel the difference in weight, pipetting forces and the spring loaded tip cone.

### Low tip attachment force

Achieve optimal tightness and minimal attachment forces with the Eppendorf Research plus. The spring loaded tip cone helps to reduce stress without sacrificing tightness.

### Low tip ejection force

How many tips do you use per day? Even small differences in the tip ejection force make a big change if you do it day by day. The tip ejection force of the Eppendorf Research plus can be as low as 3.6 N, depending on the size and the force you use to fix the tip.

### Positioning of control elements

The positions and shapes of all control buttons and displays have been optimized to ensure stress-free workflow and intuitive usage.



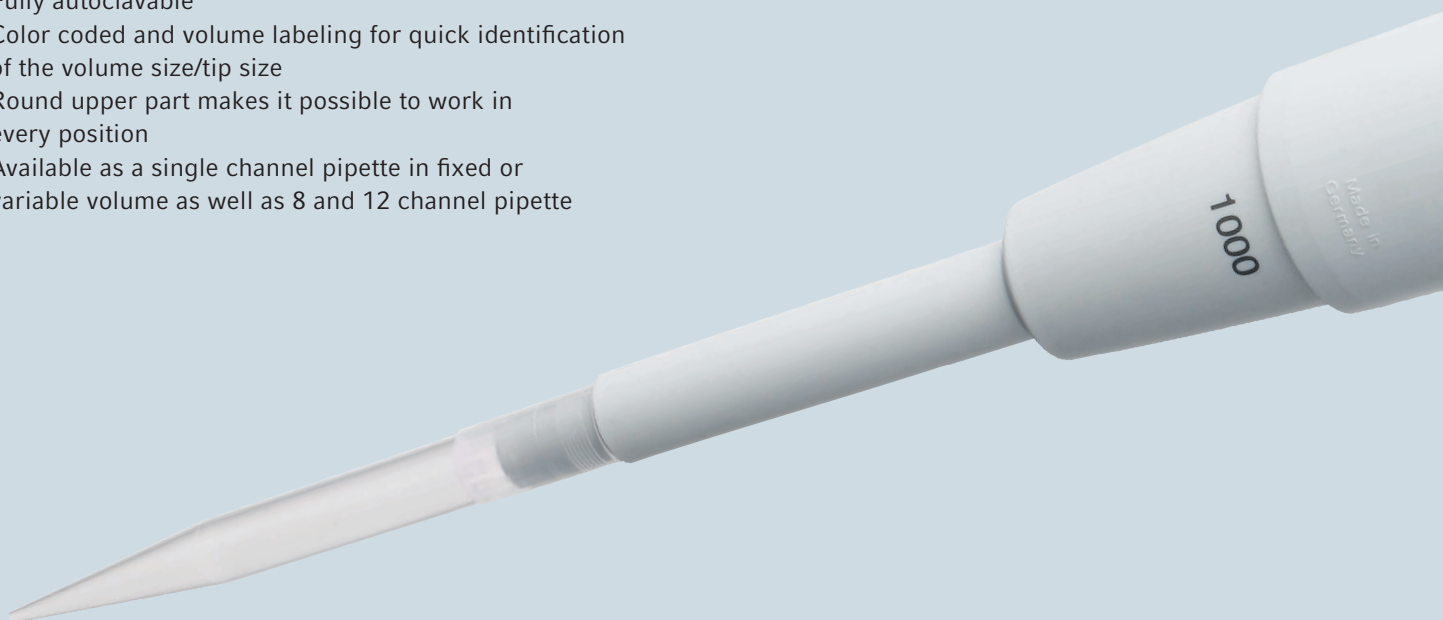
## Eppendorf Reference® 2

The name »Reference« stands for extraordinary precision and accuracy, a long service life, and an ergonomic design. The Reference 2 boasts these proven premium characteristics and this operating philosophy with its innovative state-of-the-art technology.

The Reference 2 is the premium pipette of Eppendorf. Our best material and the latest technologies are implemented in this pipette, making it a reliable partner for you and your demanding work.

### Product benefits

- > High precision and accuracy provides reliable results
- > 4-digit display for a more accurate volume setting (clearly visible from every angle)
- > Quick and secure volume setting, including volume lock
- > Fully autoclavable
- > Color coded and volume labeling for quick identification of the volume size/tip size
- > Round upper part makes it possible to work in every position
- > Available as a single channel pipette in fixed or variable volume as well as 8 and 12 channel pipette





#### User friendly secondary adjustment

For liquids other than aqueous solutions pipettes have to be adjusted. The Reference 2 provides easy possibility to do so, leaving the factory settings untouched. Reset back to manufacturer setting just as quick and easy.



#### Stainless steel upper part

The external edges made from stainless steel equip the Reference 2 with outstanding robustness at potential impact sites. It includes a quick volume setting and secure volume lock.



reddot design award  
winner 2013



#### Spring-loaded tip cone

Attach every tip with the same force – regardless of the user. Achieve optimal tightness with low attachment and ejection forces.

#### Unique surface

Few grip marks and a smooth surface for comfortable working and simple cleaning. The Reference 2 is fully autoclavable without disassembling.

#### Sturdy upper handle

Guarantees long service life and increased robustness.

#### Heightened traceability

The serial number is printed on multiple components of the pipette. This prevents parts from being mixed up and indicates if one of the volume defining parts has been exchanged.

## Eppendorf Xplorer®/Eppendorf Xplorer® plus

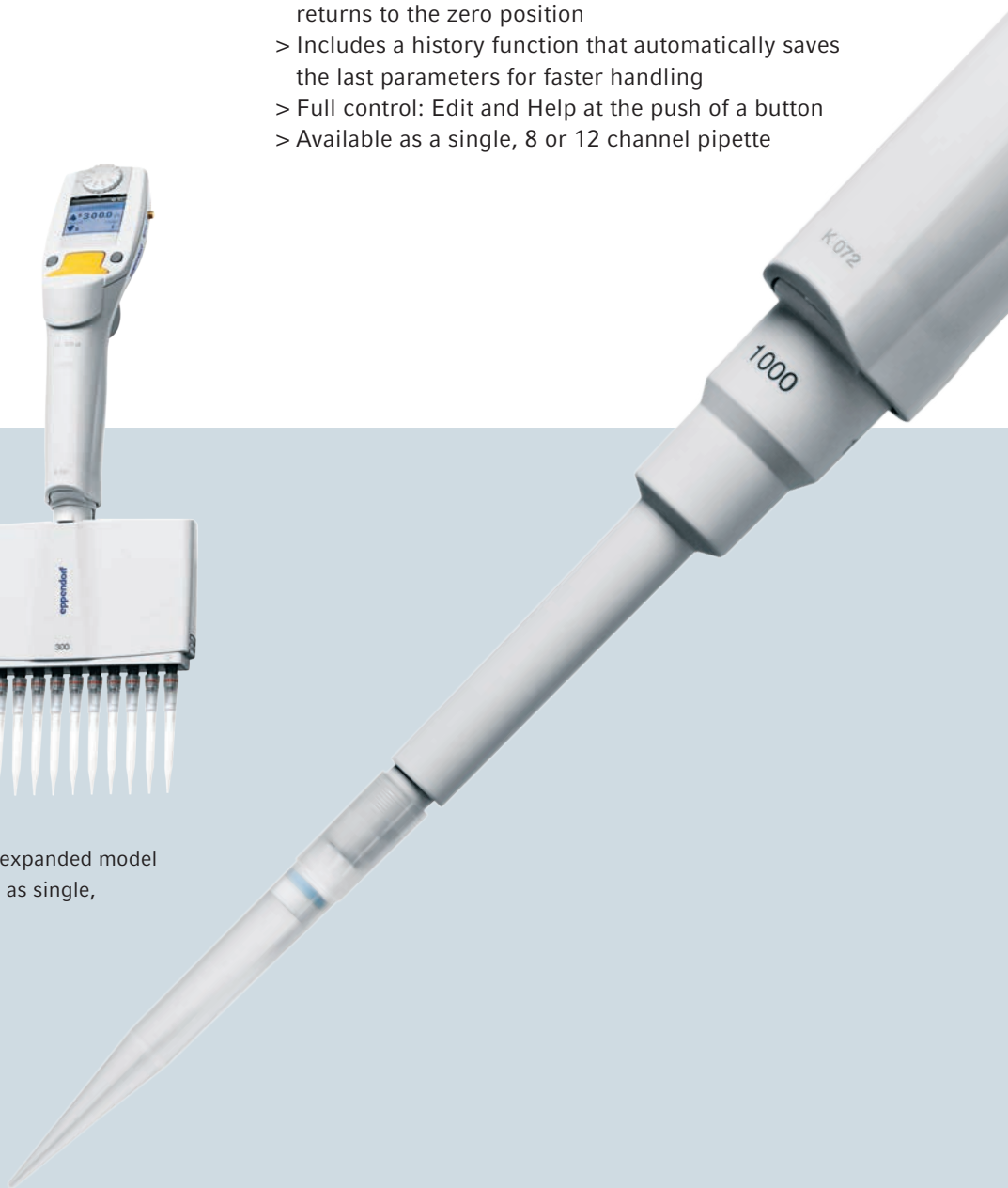
People who give 100% every day deserve the best tools and the best equipment. You work on demanding problems, and important decisions depend on the results of your work. With the Eppendorf Xplorer and Xplorer plus, your work achieves a new level of simplicity, precision and reproducibility, which means no more delays due to complicated programming or inflexible processes.

### Product benefits

- > Intuitive handling: Selection dial and multifunction rocker
- > Optimal ergonomics: Designed according to Eppendorf PhysioCare Concept
- > High reproducibility: Spring loaded tip cone, individual adjustment, and a motorized piston
- > Ease of use: After tip ejection, the piston automatically returns to the zero position
- > Includes a history function that automatically saves the last parameters for faster handling
- > Full control: Edit and Help at the push of a button
- > Available as a single, 8 or 12 channel pipette



Both the Eppendorf Xplorer and the expanded model Eppendorf Xplorer plus are available as single, 8 and 12 channel pipettes.





reddot design award  
best of the best 2010

### Expanded version

The Eppendorf Xplorer plus is the perfect choice for all users who simply need a little extra – more safety and speed every day! With its additional intelligent applications, adjustable fixed volumes and individual programming tasks, are performed much faster and easier. A password can be entered to guarantee the highest degree of protection for your programming and settings.

To ensure adherence to service intervals and thus guarantee the accuracy of your results, the Xplorer plus offers an integrated service reminder. You can choose a reminder based on the period of time or on the frequency of use.

### Modern color display

All parameters  
without submenus

### Individual speed setting

Adjust speed to improve  
precision and accuracy

### Multifunctional rocker

With Up is up and down  
is down functionality

### Selection dial

All functions at a glance  
and easily selectable

### Multilingual menu

User interface in 9 languages

### Function control softkeys

Edit and Help at the push  
of a button

### Innovative ejector

Electronically linked to  
the piston control



## Eppendorf Easytip® 3

It has never been easier to combine speed, safety, precision and comfort. Experience a new dimension of speed control and precision by intuitive, convenient speed adjustment. You will always be informed about your battery status with the vibrantly backlit LED battery meter.



## Eppendorf Pipet Helper®

The Eppendorf Pipet Helper is a pipet controller which covers the range of bulb and graduated pipettes from 0.1 to 200 mL. The valve system allows for convenient operation without effort. Low weight and optimized design with ergonomic arrangement of functions.

### Eppendorf serological pipets

The serological pipets are made of ultra-clear virgin polystyrene. They have a sterility assurance level of  $10^{-6}$  and a certified absence of detectable pyrogens, DNA, RNase and DNase, non-cytotoxic.





# Eppendorf Handling Solutions

Liquid Handling  
Cell Handling  
Sample Handling

To make your job in the lab easier and more efficient – with this goal in mind we are developing products and solutions in the areas of Liquid Handling, Cell Handling, and Sample Handling. Visit the Eppendorf Handling Solutions online sphere and dive into the area of your choice, learn new things, and have fun as well: [www.eppendorf.com/handling-solutions](http://www.eppendorf.com/handling-solutions)



## Cell Handling



Discover our comprehensive range of instruments and consumables for the manipulation, cultivation and analysis of cells. For handling cells, in addition to manipulators and injectors, incubators and consumables for cultivation as well as complete bioreactor systems for cell culture applications are also available. Corresponding detection systems are offered as required for subsequent photometric or fluorescence-based analysis.



### Eppendorf Cell Culture Consumables

Experience a new dimension in cell culture with products that meet your needs.

- > Advanced contamination protection
- > Outstanding optical performance
- > Prevention of edge effect



### Eppendorf Cell Imaging Consumables

Designed for sophisticated imaging and microscopy applications on expert level.

- > TC treated glass and film surfaces
- > Excellent signal-to-noise ratio
- > Extraordinary planarity



### Eppendorf μCuvette G1.0®

Perfect tool for measuring high nucleic acid and protein concentrations in small volumes.

- > 1.5 – 10 μL sample volumes
- > Simple cleaning
- > Low self-absorption



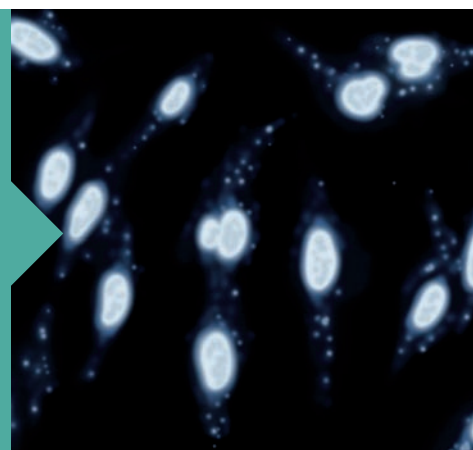
### Eppendorf BioSpectrometer®

Compact spectrophotometers for measurements in the UV/Vis and fluorescence range.

- > UV/Vis from 200 to 830 nm
- > Freely selectable wavelengths
- > Temperature controlled

## Mycoplasma – The Hidden Enemy in Your Cell Culture.

Find out challenging tips on  
[www.eppendorf.com/cellexperts](http://www.eppendorf.com/cellexperts)



## Biomaster® 4830

Contamination free pipetting in combination with Mastertips, the syringe-style, positive displacement tip, for guaranteed accurate pipetting of viscous solutions or liquids with high-vapor pressure.



## Maxipettor®

The Maxipettor is a continuously adjustable pipette that works according to the positive displacement principle. Thus the pipette is especially designed for precise pipetting of liquids with high vapor pressure or viscosity. The Eppendorf Maxitip P and S system are tailored to different vessels.



## Varispenser®

Varispenser and Varispenser plus are ideal for dispensing aliquots of liquid from large supply bottles. No reagent loss. A tight seal provides reliable protection against caustic media. Fully autoclavable and chemically resistant.



## Eppendorf Top Buret™

The Eppendorf Top Buret sets standards for manual titration. Its pulse-free dispensing technique allows continuous dispensing of liquid with precision values within required limits.



# Repeater® M4

The Repeater M4 is ideal for long pipetting or dispensing series. It is also the tool of choice when working with liquids that possess demanding physical properties like high viscosity, density or volatility. With the Repeater/Combitip system, volumes are dispensed using the positive displacement principle. The liquid is directly dispensed without an air-cushion, ensuring highest precision regardless of the physical properties of the liquid.

## Product benefits of the Repeater M4

- > Automatic Combitip advanced recognition eliminates time-consuming volume calculations
- > Dispensing up to 100 times without refilling the Combitip
- > Wide dispensing range: 1 µL to 10 mL
- > Stress-free work via integrated step counter: Dispensing procedures can be continued error-free after an interruption or distraction
- > Fully emptied Combitip can be easily ejected with one hand using the operating lever



reddot design award  
winner 2013



Due to using the positive displacement principle the Repeater M4 can overcome limitations of air-cushion pipettes



Save time – the Repeater M4 helps to make long dispensing series easier, safer, and faster

## Repeater® E3/E3x

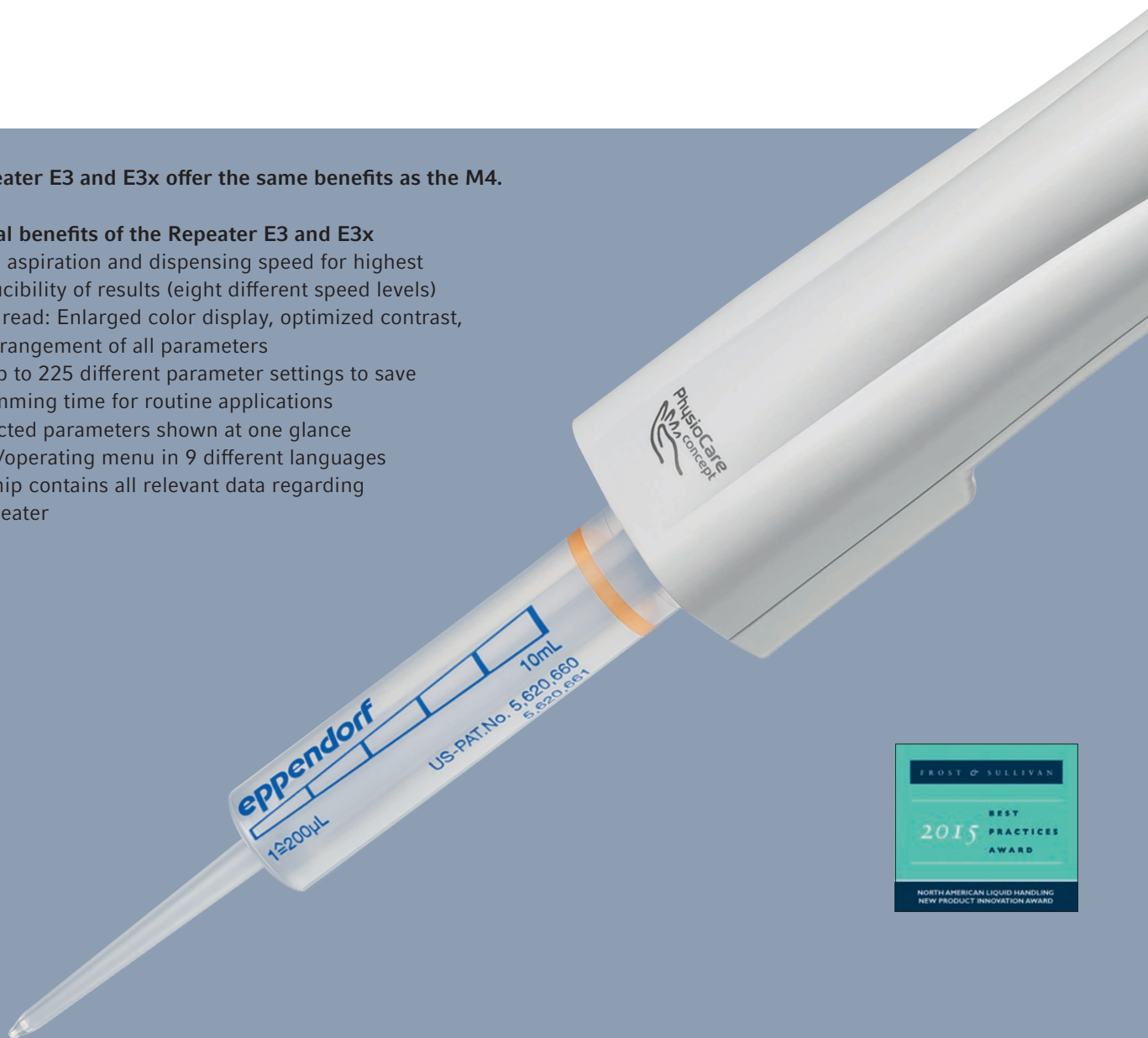
The new Repeater E3 and E3x make your everyday pipetting routines faster and easier. They combine the advantages of a positive displacement dispenser with those of an electronic pipette. At the same time, they are very easy to use.

Due to their light weight and electronic motor drive the E3/E3x minimize the risk of repetitive strain injuries. They offer highly precise pipetting and dispensing from 1 µL to 50 mL. With its seven operating modes, the Repeater E3x gives you access to a broad range of liquid handling applications (e.g., automated dispensing, aspirate and dispense, titration).

The Repeater E3 and E3x offer the same benefits as the M4.

### Additional benefits of the Repeater E3 and E3x

- > Defined aspiration and dispensing speed for highest reproducibility of results (eight different speed levels)
- > Easy to read: Enlarged color display, optimized contrast, clear arrangement of all parameters
- > Store up to 225 different parameter settings to save programming time for routine applications
- > All selected parameters shown at one glance
- > Display/operating menu in 9 different languages
- > RFID chip contains all relevant data regarding the Repeater





#### Selection wheel with seven operation modes with Repeater E3x

The new Aspirate and Dispense mode allows uptake and volume calculation of an unknown volume followed by immediate dispensing in desired partial volumes



Feature	Repeater E3	Repeater E3x
High speed aspiration and dispensing with motorized piston	<input type="checkbox"/>	<input type="checkbox"/>
Automatic Combitips advanced® tip recognition	<input type="checkbox"/>	<input type="checkbox"/>
One button tip ejection	<input type="checkbox"/>	<input type="checkbox"/>
Volume range from 1 µl to 50 ml	<input type="checkbox"/>	<input type="checkbox"/>
Li-ion battery	<input type="checkbox"/>	<input type="checkbox"/>
Illuminated display	<input type="checkbox"/>	<input type="checkbox"/>
Automatic dispensing	<input type="checkbox"/>	<input type="checkbox"/>
Pipetting	<input type="checkbox"/>	<input type="checkbox"/>
Dispensing	<input type="checkbox"/>	<input type="checkbox"/>
Aspirate (aspiration of supernatants)	<input type="checkbox"/>	<input type="checkbox"/>
Titrate	<input type="checkbox"/>	<input type="checkbox"/>
Sequential dispensing	<input type="checkbox"/>	<input type="checkbox"/>
Combined aspiration and dispensing mode	<input type="checkbox"/>	<input type="checkbox"/>

> Repeater E3 and Repeater E3x are the experts for long series pipetting and liquids with demanding properties: [www.eppendorf.com/repeater-system](http://www.eppendorf.com/repeater-system)

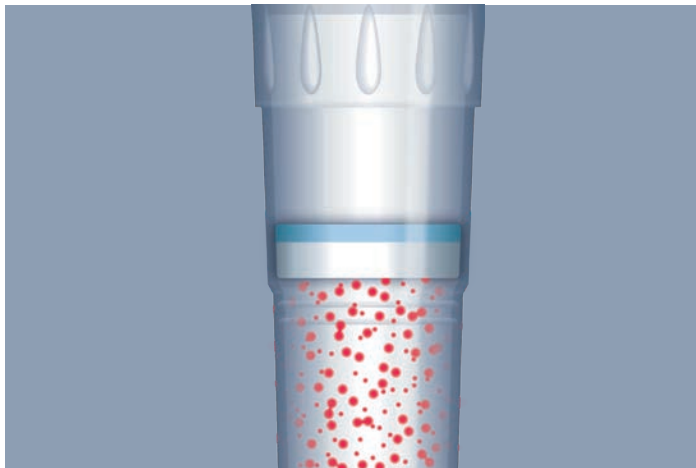


## epT.I.P.S.®

The fact that a tip fits onto a pipette cone does not say anything about the performance of the pipetting system comprising the components »Pipette and Tip«.

The standard ISO 8655:2002 (1) considers pipettes and pipette tips as a system. Eppendorf as a system provider manufactures a system instead of single parts of it.

epT.I.P.S. pipette tips are available in purity grades of Eppendorf Quality, PCR clean, sterile and Biopur packed as bulk, reload, reusable box or one-use racks.



## ep Dualfilter T.I.P.S.®

The Dualfilter with two filter layers provides dual protection against aerosols and biomolecules for pipette and sample. The premium Dualfilter has a certified efficiency of class E12 in accordance with EN 1822 – EPA/HEPA Standard (Efficiency Particulate Airfilter/High Efficiency Particulate Airfilter).

Certificate can be downloaded on [www.eppendorf.com](http://www.eppendorf.com). Also available as ep Dualfilter T.I.P.S. SealMax for reliable protection from liquids.

## epT.I.P.S.® LoRetention

Detergents or detergent containing liquids lower the liquid's surface tension. This phenomenon called »wetting« is compromising the accuracy of the dispensed volume.

epT.I.P.S. LoRetention offer an ultrahydrophobic surface which prevents the retention of these detergent-containing liquids and provides maximum sample recovery for highest reproducibility. epT.I.P.S. LoRetention are available in Eppendorf Quality and PCR clean purity as well as ep Dualfilter T.I.P.S. LoRetention in PCR clean/Sterile.



# Combitips advanced®

In combination with the Repeater M4 and E3/E3x, Combitips advanced form an ideal system for a broad range of liquid handling applications.

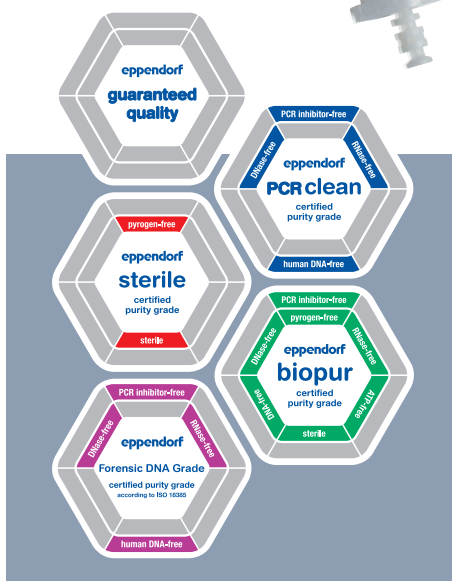
## Benefits of the Combitips advanced

- > Time savings for long dispensing/pipetting series
- > High-precision dispensing regardless of the physical properties of the liquid (e.g., viscosity, volatility, density, temperature...)
- > Prevention of aerosol contamination with hermetically sealed piston
- > Protection from radioactive and toxic substances
- > 9 available volume sizes (0.1 mL–50 mL) offer a maximum range of dispensing volumes
- > Individually color coded: Quick identification of the desired Combitips facilitates the workflow (color coding is also visible on packaging)



## Elongated tips (for 2.5 mL, 5 mL, 10 mL)

Complete emptying of all common tubes prevents sample loss



## Variety and selection

With 9 volume sizes (0.1 mL to 50 mL) and 5 purity grades (Eppendorf Quality™, PCR clean, sterile, Eppendorf Biopur®, and Forensic DNA grade) you will always find the perfect Combitip for your application!

> Choose the optimal Combitip for your volume with the help of our Combitip selection guide:  
[www.eppendorf.com/combitips-advanced](http://www.eppendorf.com/combitips-advanced)



## epMotion® 96

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 and will increase your productivity by faster and more precise simultaneous 96-well pipetting.

### Features

- > Large volume range of 0.5–300 µL or 10–1,000 µL without changes to the systems
- > Auto-detect function for tip size
- > Intuitive and industry proven software concept and convenient touch screen control
- > Intelligent, preset applications: aspiration, dilution, multi-dispense, pipette and mix, reverse pipetting and more
- > Individual speed settings to match different liquid types
- > 2-position slider for quick access to source and destination
- > Compact design to fit under the laminar flow hood
- > Reduced risk of repetitive strain injury (RSI)

### Applications

- > Replication and reformatting of 96- or 384-well plates
- > PCR set-up in whole plates
- > Cell seeding and media change
- > Reagent and compound addition
- > 384 wells by 4 times 96 well pipetting
- > Cell-based assays
- > ELISA and other immuno-assays in plates
- > Biochemical assays



> Watch our video for easy operation of epMotion 96 on our YouTube channel

## epMotion® 5070

Our small member of the epMotion family is the most compact solution for accurate and reproducible automated liquid handling. This makes the epMotion 5070 a perfect match for any routine application in your laboratory.



### Features

- > 4 SBS/SLAS worktable and 3 virtual positions
- > Maximum pipetting accuracy from 200 nL to 1,000 µL
- > Automatic exchange of two dispensing tools
- > Use of 1-channel and 8-channel dispensing tools
- > Optical sensor\*1 for detecting liquids, labware, tips
- > Completely contained housing including door safety mechanism (except for 5070f, laminar-flow version)
- > Option for EasyCon tablet or MultiCon PC controller by touch, mouse or keyboard, upgradable for barcode tracking and GLP software versions

### Applications

- > Serial dilutions
- > Liquid transfer from individual tubes to plates
- > Assay set-up
- > Reformatting plates
- > Simple PCR set-up
- > Normalization of sample concentrations or volumes
- > Cell media exchange

\*1 Patent US 6,819,437 B2



Compact 5070f version can be integrated in laminar flow cell bench.  
Light barrier beam monitors the closure of the bench hood for safety

## epMotion® 5073

The midsize epMotion 5073 are flexible systems for automating time-consuming and complex pipetting procedures with its intuitive software, making routine liquid handling tasks easier than ever. The pipetting procedure is more precise, reproducible, and fully standardized, making your workplace more ergonomic and safer.

### Features

- > Same as 5070 plus
- > 6-position worktable
- > Option for gripper transport, 1 thermal module or Eppendorf MagSep™ 3D module
- > CleanCap option for UV decontamination and HEPA air filter
- > Optional MultiCon touch PC controller

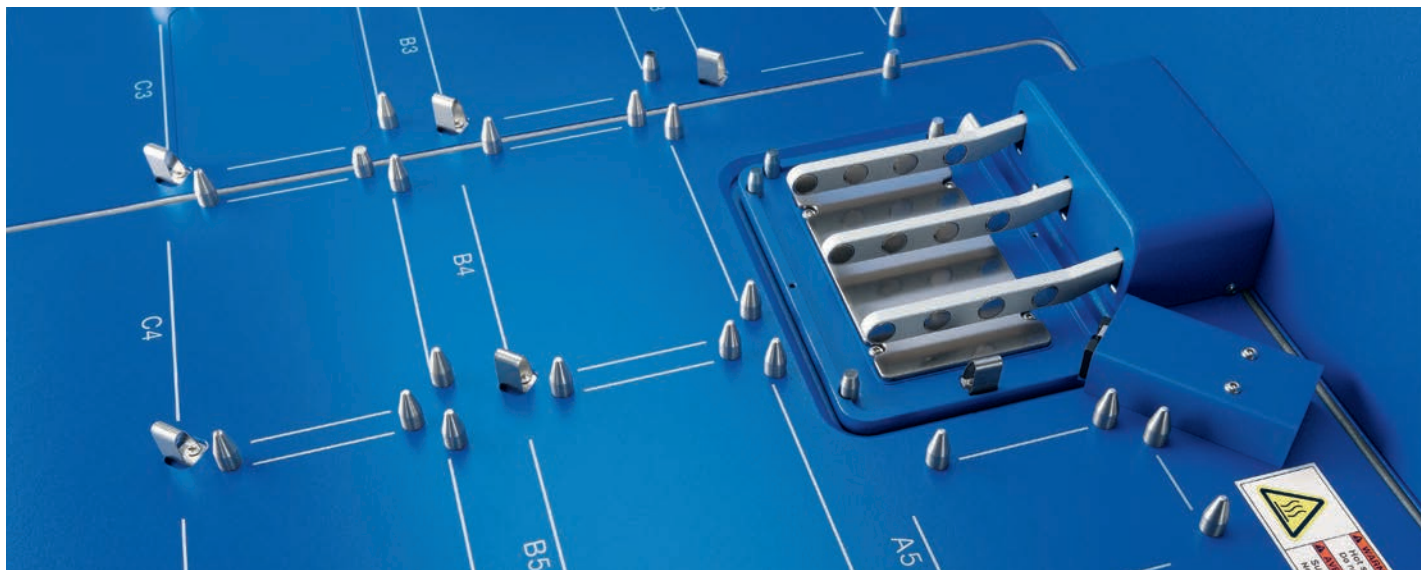
### Applications

- > DNA and RNA purification
- > PCR set-up
- > Sample or reagent transfer
- > Sample mixing and temperature incubation
- > Assay set-up
- > Media change and other cell culture applications



### Eppendorf MagSep™ 3D Technology

Combination of magnetic finger module and Eppendorf ThermoMixer facilitates magnetic separation, mixing and temperature control in one location



> Watch our video for flexible use of epMotion 5073 on our YouTube channel

# epMotion® 5075

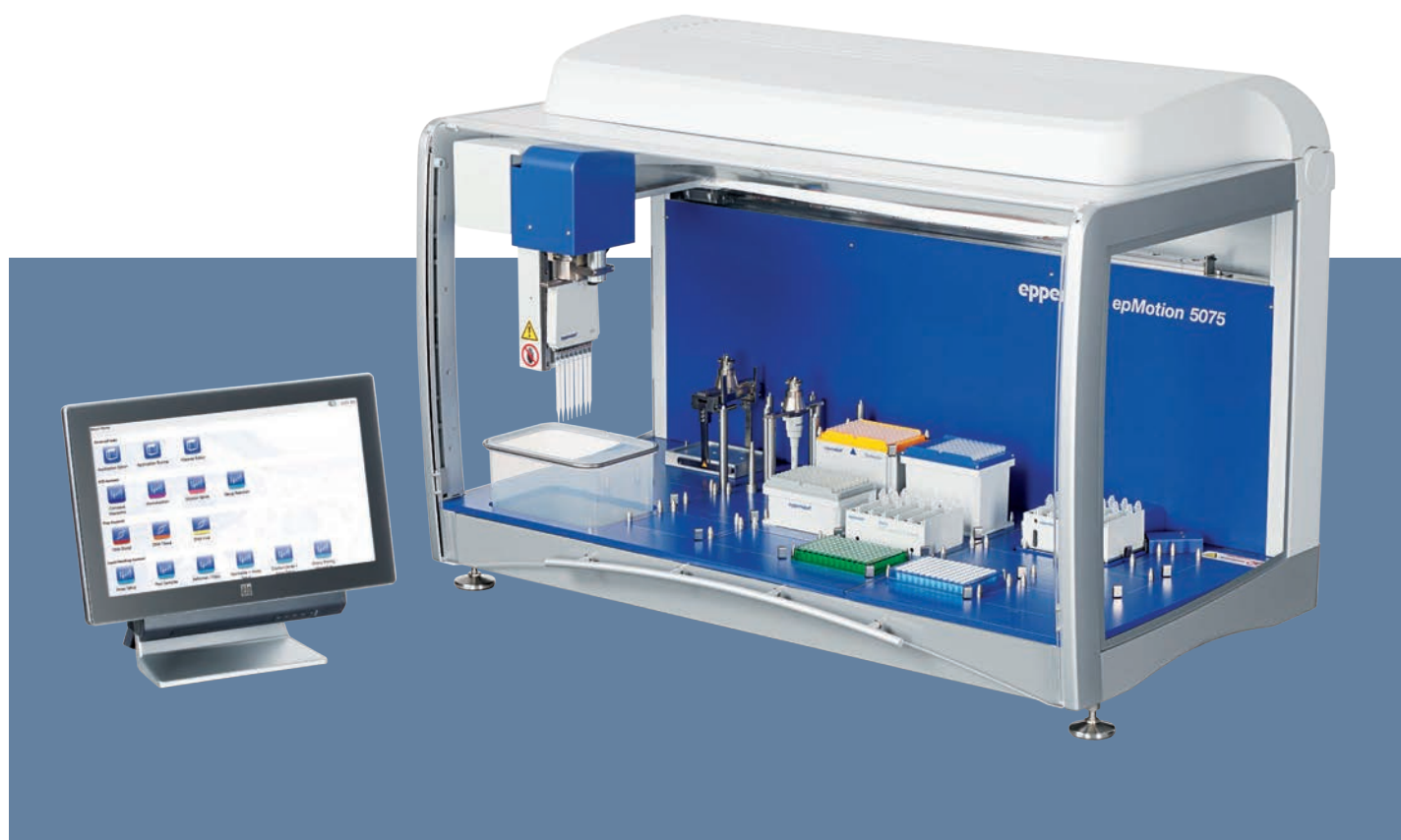
With 12 to 15 worktable positions and many additional features the epMotion 5075 versions have a higher application flexibility. The epMotion 5075 is the ideal solution for advanced liquid handling demands. It offers the same outstanding accuracy and precision as epMotion 5070 & 5073.

## Features

- > Same as 5073 plus
- > Up to 15 worktable positions
- > MultiCon PC controller with simulation, network and software upgrade options
- > Automatic exchange of 4 dispensing tools
- > Option for gripper and 1–3 thermal modules
- > System control by touch, mouse, keyboard or network
- > Available Eppendorf ThermoMixer®, Vacuum manifold, and magnetic separation options
- > Available as CleanCap versions

## Applications

- > NGS library preparation
- > Distributing reagents and serial dilutions
- > Sample transfer from individual tubes to plates
- > Solid phase extraction
- > Bead applications with mixing and temperature incubation
- > Sequencing and PCR clean-up
- > Nucleic acid purification



> A set of customer testimonial videos can be found on our YouTube channel



# The Eppendorf PhysioCare Concept®

The mission of Eppendorf has always been to improve the living conditions of our customers. Nowadays, where people spend a lot of their time at work, the ergonomics of their tools and the whole work environment is becoming more important for your well-being. Thus the development of each Eppendorf pipette is based on three spheres that support the health of our customers.



Each of these spheres offers stringent ergonomic criteria which are directly involved in the users work process:



## The Laboratory Workflow:

The PhysioCare Concept ensures general support to enhance processes around the lab and improve the results of the whole organization.

## The Lab:

The PhysioCare Concept allows the uncomplicated integration of instruments in the lab as well as adhering to its specific requirements.

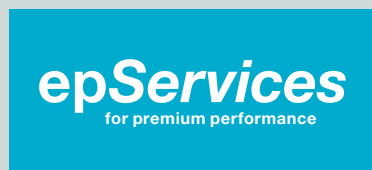
## The User:

The PhysioCare Concept guarantees an ergonomic design and an optimized product performance according to the needs of the individual.



> Further information about ergonomics in the lab:  
[www.eppendorf.com/physiocare](http://www.eppendorf.com/physiocare)

# Supporting You – Eppendorf Services



**Application  
Support**



**Seminars  
and Training**



**Technical  
Support**



**Maintenance  
and Certification**

At Eppendorf, we are committed to providing reliable services to help you maintain premium performance, and maximum safety of your Eppendorf instruments. Our carefully designed service solutions are performed by our dedicated Application, Training and Technical Service teams worldwide.

Especially the precision and accuracy of the pipettes and the dispensing tools of semi-/automated liquid handling devices are important for the quality and reproducibility of all your work results. With the Performance Plans from Eppendorf we offer you a range of quality maintenance and certification services for different user requirements.

## Pipette Performance Plans

Eppendorf offers pipette calibration from quick calibration at an economical price to GLP custom-designed calibration services. Calibration according to ISO 17025 standards is available. We provide quality calibration, certification, maintenance and repair services for all major brands of pipettes.

## epMotion® 96 Performance Plans

Maintaining and verifying your semi-automated pipette accuracy and precision makes sure your system still dispenses according to the manufacturer specifications. In the end you will receive assured results with your downstream applications and your valuable samples and reagents.

## epMotion® Performance Plans









Our qualified service technicians will take care of the maintenance of your epMotion® to ensure its long life-time. Our Certification Services include all tests, calibration services and documentation needed for Installation and Operational Qualification (IQ/OQ)



> For more information, service ordering details and contact form please visit [www.eppendorf.com/epServices](http://www.eppendorf.com/epServices)



# Eppendorf Research® plus

Eppendorf Research® plus (single-channel, variable volume)*1							
Volume range	Color code	Volume	Systematic error*2		Random error*2		Order no.
0.1–2.5 µL	 dark gray (for epT.I.P.S.® 10 µL)	0.1 µL	±48.0%	±0.048 µL	±12.0%	±0.012 µL	3123000012
		0.25 µL	±12.0%	±0.03 µL	±6.0%	±0.015 µL	
		1.25 µL	±2.5%	±0.031 µL	±1.5%	±0.019 µL	
		2.5 µL	±1.4%	±0.035 µL	±0.7%	±0.018 µL	
0.5–10 µL	 medium gray (for epT.I.P.S.® 20 µL)	0.5 µL	±8.0%	±0.04 µL	±5.0%	±0.025 µL	3123000020
		1 µL	±2.5%	±0.025 µL	±1.8%	±0.018 µL	
		5 µL	±1.5%	±0.075 µL	±0.8%	±0.04 µL	
		10 µL	±1.0%	±0.1 µL	±0.4%	±0.04 µL	
2–20 µL	 light gray (for epT.I.P.S.® 20 µL L)	2 µL	±5.0%	±0.1 µL	±1.5%	±0.03 µL	3123000098
		10 µL	±1.2%	±0.12 µL	±0.6%	±0.06 µL	
		20 µL	±1.0%	±0.2 µL	±0.3%	±0.06 µL	
2–20 µL	 yellow (for epT.I.P.S.® 200 µL)	2 µL	±5.0%	±0.1 µL	±1.5%	±0.03 µL	3123000039
		10 µL	±1.2%	±0.12 µL	±0.6%	±0.06 µL	
		20 µL	±1.0%	±0.2 µL	±0.3%	±0.06 µL	
10–100 µL		10 µL	±3.0%	±0.3 µL	±1.0%	±0.1 µL	3123000047
		50 µL	±1.0%	±0.5 µL	±0.3%	±0.15 µL	
		100 µL	±0.8%	±0.8 µL	±0.2%	±0.2 µL	
20–200 µL		20 µL	±2.5%	±0.5 µL	±0.7%	±0.14 µL	3123000055
		100 µL	±1.0%	±1.0 µL	±0.3%	±0.3 µL	
		200 µL	±0.6%	±1.2 µL	±0.2%	±0.4 µL	
30–300 µL	 orange (for epT.I.P.S.® 300 µL)	30 µL	±2.5%	±0.75 µL	±0.7%	±0.21 µL	3123000101
		150 µL	±1.0%	±1.5 µL	±0.3%	±0.45 µL	
		300 µL	±0.6%	±1.8 µL	±0.2%	±0.6 µL	
100–1,000 µL	 blue (for epT.I.P.S.® 1,000 µL)	100 µL	±3.0%	±3.0 µL	±0.6%	±0.6 µL	3123000063
		500 µL	±1.0%	±5.0 µL	±0.2%	±1.0 µL	
		1,000 µL	±0.6%	±6.0 µL	±0.2%	±2.0 µL	
0.5–5 mL	 purple (for epT.I.P.S.® 5 mL)	0.5 mL	±2.4%	±0.012 mL	±0.6%	±0.003 mL	3123000071
		2.5 mL	±1.2%	±0.03 mL	±0.25%	±0.006 mL	
		5 mL	±0.6%	±0.03 mL	±0.15%	±0.008 mL	
1–10 mL	 turquoise (for epT.I.P.S.® 10 mL)	1 mL	±3.0%	±0.03 mL	±0.6%	±0.006 mL	3123000080
		5 mL	±0.8%	±0.04 mL	±0.2%	±0.01 mL	
		10 mL	±0.6%	±0.06 mL	±0.15%	±0.015 mL	

\*1 Eppendorf Research® plus single-channel variable-volume pipettes up to 1,000 µL include an epT.I.P.S.® box. The 5 mL and 10 mL versions include an epT.I.P.S.® sample bag.

\*2 The error data, according to EN ISO 8655, only apply if original Eppendorf tips are used. Technical specifications are subject to change. Errors and omissions excepted.

# Eppendorf Research® plus

## Eppendorf Research® plus (multichannel, variable volume)

Volume range	Color code	Volume	Systematic error*		Random error*		Order no. 8-channel	Order no. 12-channel
0.5–10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	0.5 µL	±12.0%	±0.06 µL	±8.0%	±0.04 µL	3125000010	3125000028
		1 µL	±8.0%	±0.08 µL	±5.0%	±0.05 µL		
		5 µL	±4.0%	±0.2 µL	±2.0%	±0.1 µL		
		10 µL	±2.0%	±0.2 µL	±1.0%	±0.1 µL		
10–100 µL	■ yellow (for epT.I.P.S.® 200 µL)	10 µL	±3.0%	±0.3 µL	±2.0%	±0.2 µL	3125000036	3125000044
		50 µL	±1.0%	±0.5 µL	±0.8%	±0.4 µL		
		100 µL	±0.8%	±0.8 µL	±0.3%	±0.3 µL		
30–300 µL	■ orange (for epT.I.P.S.® 300 µL)	30 µL	±3.0%	±0.9 µL	±1.0%	±0.3 µL	3125000052	3125000060
		150 µL	±1.0%	±1.5 µL	±0.5%	±0.75 µL		
		300 µL	±0.6%	±1.8 µL	±0.3%	±0.9 µL		

## Eppendorf Research® plus (single-channel, fixed volume)

Volume	Color code	Systematic error*		Random error*		Order no.
10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	±1.2%	±0.12 µL	±0.6%	±0.06 µL	3124000016
20 µL	■ light gray (for epT.I.P.S.® 20 µL)	±0.8%	±0.16 µL	±0.3%	±0.06 µL	3124000032
10 µL	■ yellow (for epT.I.P.S.® 200 µL)	±1.2%	±0.12 µL	±0.6%	±0.06 µL	3124000024
20 µL		±1.0%	±0.2 µL	±0.3%	±0.06 µL	3124000040
25 µL		±1.0%	±0.25 µL	±0.3%	±0.08 µL	3124000059
50 µL		±0.7%	±0.35 µL	±0.3%	±0.15 µL	3124000067
100 µL	■ blue (for epT.I.P.S.® 1,000 µL)	±0.6%	±0.6 µL	±0.2%	±0.2 µL	3124000075
200 µL		±0.6%	±1.2 µL	±0.2%	±0.4 µL	3124000083
200 µL		±0.6%	±1.2 µL	±0.2%	±0.4 µL	3124000091
250 µL		±0.6%	±1.5 µL	±0.2%	±0.5 µL	3124000105
500 µL		±0.6%	±3.0 µL	±0.2%	±1.0 µL	3124000113
1 000 µL		±0.6%	±6.0 µL	±0.2%	±2.0 µL	3124000121

\*The error data, according to EN ISO 8655, only apply if original Eppendorf tips are used.  
Technical specifications are subject to change. Errors and omissions excepted.

## Accessories

	Order no.
<b>Pipette carousel</b> , for 6 Eppendorf Research® plus	022444905
<b>Pipette holder</b> , for one Eppendorf Research® plus, for pipette carousel	022444905
<b>Pipette holder</b> , for one Eppendorf Research® plus, for wall mounting, sticky tape included	3115600019
<b>Tip-Tub reagent reservoir</b> , autoclavable reservoir for aspirating liquids with multichannel pipettes, 1 set = 10 reservoirs and 10 lids	3115000020
<b>Tip-Tub reagent reservoir</b> , autoclavable reservoir for aspirating liquids with multichannel pipettes, 1 set = 10 reservoirs and 10 lids	022265806
<b>Eppendorf TrackIT</b>	3903000014

## Eppendorf Research® plus 3-pack including epT.I.P.S.® box and Eppendorf ballpoint pen

	Order no.
<b>Option 1:</b> 0.5–10 µL, 10–100 µL, 100–1,000 µL	3123000900
<b>Option 2:</b> 2–20 µL yellow, 20–200 µL, 100–1,000 µL	3123000918
<b>Option 3:</b> 100–1,000 µL, 0.5–5 mL, 1–10 mL	3123000926

# Eppendorf Reference® 2

## Eppendorf Reference® 2 (single-channel, variable volume)\*1

Volume range	Color code	Volume	Systematic error*2		Random error*2		Order no.
0.1–2.5 µL	■ dark gray (for epT.I.P.S.® 10 µL)	0.1 µL	±48.0%	±0.048 µL	± 12.0%	±0.012 µL	4924000010
		0.25 µL	±12.0%	±0.03 µL	±6.0%	±0.015 µL	
		1.25 µL	±2.5%	±0.031 µL	±1.5%	±0.019 µL	
		2.5 µL	±1.4%	±0.035 µL	±0.7%	±0.018 µL	
0.5–10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	0.5 µL	±8.0%	± 0.040 µL	±5.0%	±0.025 µL	4924000029
		1 µL	±2.5%	±0.025 µL	±1.8%	±0.018 µL	
		5 µL	±1.5%	±0.075 µL	±0.8%	±0.04 µL	
		10 µL	±1.0%	±0.10 µL	±0.4%	±0.04 µL	
2–20 µL	■ light gray (for epT.I.P.S.® 20 µL L)	2 µL	±3.0%	±0.06 µL	±1.5%	±0.03 µL	4924000037
		10 µL	±1.0%	±0.10 µL	±0.6%	±0.06 µL	
		20 µL	±0.8%	±0.16 µL	±0.3%	±0.06 µL	
2–20 µL	■ yellow (for epT.I.P.S.® 200 µL)	2 µL	±5.0%	±0.10 µL	±1.5%	±0.03 µL	4924000045
		10 µL	±1.2%	±0.12 µL	±0.6%	±0.06 µL	
		20 µL	±1.0%	±0.2 µL	±0.3%	±0.06 µL	
10–100 µL		10 µL	±3.0%	±0.3 µL	±0.7%	±0.07 µL	4924000053
		50 µL	±1.0%	±0.5 µL	±0.3%	±0.15 µL	
		100 µL	±0.8%	±0.8 µL	±0.20%	±0.20 µL	
20–200 µL		20 µL	±2.5%	±0.5 µL	±0.7%	±0.14 µL	4924000061
		100 µL	±1.0%	±1.0 µL	±0.3%	±0.3 µL	
		200 µL	±0.6%	±1.2 µL	±0.2%	±0.4 µL	
30–300 µL	■ orange (for epT.I.P.S.® 300 µL)	30 µL	±2.5%	±0.75 µL	±0.7%	±0.21 µL	4924000070
		150 µL	±1.0%	±1.5 µL	±0.3%	±0.45 µL	
		300 µL	±0.6%	±1.8 µL	±0.2%	±0.6 µL	
100–1,000 µL	■ blue (for epT.I.P.S.® 1,000 µL)	100 µL	±3.0%	±3.0 µL	±0.6%	±0.6 µL	4924000088
		500 µL	±1.0%	±5.0 µL	±0.2%	±1.0 µL	
		1,000 µL	±0.6%	±6.0 µL	±0.2%	±2.0 µL	
0.25–2.5 mL	■ red (for epT.I.P.S.® 2.5 mL)	0.25 mL	±4.8%	±0.012 mL	±1.2%	±0.003 mL	4924000096
		1.25 mL	±0.8%	±0.010 mL	±0.2%	±0.0025 mL	
		2.5 mL	±0.6%	±0.015 mL	±0.2%	±0.005 mL	
0.5–5 mL	■ purple (for epT.I.P.S.® 5 mL)	0.5 mL	±2.4%	±0.012 mL	±0.6%	±0.003 mL	4924000100
		2.5 mL	±1.2%	±0.030 mL	±0.25%	±0.006 mL	
		5.0 mL	±0.6%	±0.030 mL	±0.15%	±0.0075 mL	
1–10 mL	■ turquoise (for epT.I.P.S.® 10 mL)	1.0 mL	±3.0%	±0.030 mL	±0.6%	±0.006 mL	4924000118
		5.0 mL	±0.8%	±0.040 mL	±0.2%	±0.010 mL	
		10.0 mL	±0.6%	±0.060 mL	±0.15%	±0.015 mL	

\*1 All Eppendorf Reference® 2 single-channel variable-volume pipettes up to 1,000 µL include an epT.I.P.S.® box. The 2.5 mL, 5 mL and 10 mL versions include an epT.I.P.S.® sample bag.

\*2 The error data, according to EN ISO 8655, only apply if original Eppendorf tips are used. Technical specifications are subject to change. Errors and omissions excepted.

# Eppendorf Reference® 2

## Eppendorf Reference® 2 (multichannel, variable volume)

Volume range	Color code	Volume	Systematic error*		Systematic error*		Order no. 8-channel	Order no. 12-channel
0.5–10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	0.5 µL	±12.0%	±0.06 µL	±8.0%	±0.04 µL	4926000018	4926000026
		1 µL	±8.0%	±0.08 µL	±5.0%	±0.05 µL		
		5 µL	±4.0%	±0.2 µL	±2.0%	±0.1 µL		
		10 µL	±2.0%	±0.2 µL	±1.0%	±0.1 µL		
10–100 µL	■ yellow (for epT.I.P.S.® 200 µL)	10 µL	±3.0%	±0.3 µL	±2.0%	±0.2 µL	4926000034	4926000042
		50 µL	±1.0%	±0.5 µL	±0.8%	±0.4 µL		
		100 µL	±0.8%	±0.8 µL	±0.3%	±0.3 µL		
		30 µL	±3.0%	±0.9 µL	±1.0%	±0.3 µL	4926000050	4926000069
30–300 µL	■ orange (for epT.I.P.S.® 300 µL)	150 µL	±1.0%	±1.5 µL	±0.5%	±0.75 µL		
		300 µL	±0.6%	±1.8 µL	±0.3%	±0.9 µL		

\*1 All Eppendorf Reference® 2 single-channel variable-volume pipettes come with an epT.I.P.S. Box (except 2.5 mL, 5 mL and 10 mL)

\*2 Data for systematic and random errors only applies when using epT.I.P.S.® pipette tips.

## Eppendorf Reference® 2 (single-channel, fixed volume)

Volume	Color code	Systematic error*		Random error*		Order no.
1 µL	■ dark gray (for epT.I.P.S.® 10 µL)	±2.5%	±0.025 µL	±1.8%	±0.018 µL	4925000014
2 µL		±2.0%	±0.04 µL	±1.2%	±0.024 µL	4925000022
5 µL		±1.2%	±0.06 µL	±0.6%	±0.03 µL	4925000030
10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	±1.0%	±0.1 µL	±0.5%	±0.05 µL	4925000049
20 µL		±0.8%	±0.16 µL	±0.3%	±0.06 µL	4925000065
10 µL		±1.2%	±0.12 µL	±0.6%	±0.06 µL	4925000057
20 µL	■ yellow (for epT.I.P.S.® 200 µL)	±1.0%	±0.2 µL	±0.3%	±0.06 µL	4925000073
25 µL		±1.0%	±0.25 µL	±0.3%	±0.075 µL	4925000081
50 µL		±0.7%	±0.35 µL	±0.3%	±0.15 µL	4925000090
100 µL	■ light gray (for epT.I.P.S.® 20 µL L)	±0.6%	±0.6 µL	±0.2%	±0.2 µL	4925000103
200 µL		±0.6%	±1.2 µL	±0.2%	±0.4 µL	4925000111
200 µL		±0.6%	±1.2 µL	±0.2%	±0.4 µL	4925000120
250 µL	■ blue (for epT.I.P.S.® 1,000 µL)	±0.6%	±1.5 µL	±0.2%	±0.5 µL	4925000138
500 µL		±0.6%	±3.0 µL	±0.2%	±1.0 µL	4925000146
1,000 µL		±0.6%	±6.0 µL	±0.2%	±2.0 µL	4925000154
2 mL	■ red (for epT.I.P.S.® 2.5 mL)	±0.6%	±0.012 mL	±0.2%	±0.004 mL	4925000162
2.5 mL		±0.6%	±0.015 mL	±0.2%	±0.005 mL	4925000170

\*2 The error data, according to EN ISO 8655, only apply if original Eppendorf tips are used. Technical specifications are subject to change. Errors and omissions excepted.

## Accessories

	Order no.
<b>Pipette carousel</b> , Eppendorf Reference® 2	4923000009
<b>Pipette holder</b> , for Eppendorf Reference® 2, for pipette carousel 022444905	4923601002
<b>Pipette holder</b> , for one Eppendorf Reference® 2, for wall mounting, sticky tape included	4923000017
<b>Tip-Tub reagent reservoir</b> , autoclavable reservoir for aspirating liquids with multichannel pipettes, 1 set = 10 reservoirs and 10 lids	022265806
<b>Eppendorf TrackIT</b>	3903000014

## Eppendorf Reference® 2, 3-Pack, incl. epT.I.P.S.® Box and Eppendorf ballpoint pen

	Order no.
<b>Option 1:</b> 0.5–10 µL, 10–100 µL, 100–1,000 µL	4924000908
<b>Option 2:</b> 2–20 µL yellow, 20–200 µL, 100–1,000 µL	4924000916
<b>Option 3:</b> 100–1,000 µL, 0.5–5 mL, 1–10 mL	4924000924

# Eppendorf Xplorer®

## Eppendorf Xplorer® (single-channel, variable volume, incl. charger)

Volume range	Color code	Volume	Systematic error*		Random error*		Order no.
0.5–10 µL	■ dark gray (for epT.I.P.S.® 20 µL)	1 µL	±2.5 %	±0.025 µL	±1.8 %	±0.018 µL	4861000015
		5 µL	±1.5 %	±0.075 µL	±0.8 %	±0.04 µL	
		10 µL	±1.0 %	±0.1 µL	±0.4 %	±0.04 µL	
5–100 µL	■ yellow (for epT.I.P.S.® 200 µL)	10 µL	±2.0 %	±0.2 µL	±1.0 %	±0.1 µL	4861000023
		50 µL	±1.0 %	±0.5 µL	±0.3 %	±0.15 µL	
		100 µL	±0.8 %	±0.8 µL	±0.2 %	±0.2 µL	
15–300 µL	■ orange (for epT.I.P.S.® 300 µL)	30 µL	±2.5 %	±0.75 µL	±0.7 %	±0.21 µL	4861000031
		150 µL	±1.0 %	±1.5 µL	±0.3 %	±0.45 µL	
		300 µL	±0.6 %	±1.8 µL	±0.2 %	±0.6 µL	
50–1,000 µL	■ blue (for epT.I.P.S.® 1,000 µL)	100 µL	±3.0 %	±3 µL	±0.6 %	±0.6 µL	4861000040
		500 µL	±1.0 %	±5 µL	±0.2 %	±1 µL	
		1,000 µL	±0.6 %	±6 µL	±0.2 %	±2 µL	
0.25–5 mL	■ purple (for epT.I.P.S.® 5 mL)	500 µL	±3.0 %	±15 µL	±0.6 %	±3 µL	4861000058
		2,500 µL	±1.2 %	±30 µL	±0.3 %	±6.25 µL	
		5,000 µL	±0.6 %	±30 µL	±0.15 %	±7.5 µL	
0.5–10 mL	■ turquoise (for epT.I.P.S.® 10 mL)	1,000 µL	±3.0 %	±30 µL	±0.6 %	±6 µL	4861000066
		5,000 µL	±0.8 %	±40 µL	±0.2 %	±10 µL	
		10,000 µL	±0.6 %	±60 µL	±0.15 %	±15 µL	

## Eppendorf Xplorer® (multichannel, variable volume, incl. charger)

Volume range	Color code	Volume	Systematic error*		Random error*		Order no. 8-channel	Order no. 12-channel
0.5–10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	1 µL	±5.0 %	±0.05 µL	±3.0 %	±0.03 µL	4861000104	4861000112
		5 µL	±3.0 %	±0.15 µL	±1.5 %	±0.075 µL		
		10 µL	±2.0 %	±0.2 µL	±0.8 %	±0.08 µL		
5–100 µL	■ yellow (for epT.I.P.S.® 200 µL)	10 µL	±2.0 %	±0.2 µL	±2.0 %	±0.2 µL	4861000120	4861000139
		50 µL	±1.0 %	±0.5 µL	±0.8 %	±0.4 µL		
		100 µL	±0.8 %	±0.8 µL	±0.25 %	±0.25 µL		
15–300 µL	■ orange (for epT.I.P.S.® 300 µL)	30 µL	±2.5 %	±0.75 µL	±1.0 %	±0.3 µL	4861000147	4861000155
		150 µL	±1.0 %	±1.5 µL	±0.5 %	±0.75 µL		
		300 µL	±0.6 %	±1.8 µL	±0.25 %	±0.75 µL		
50–1,200 µL	■ medium green (for epT.I.P.S.® 1,200 µL)	120 µL	±6.0 %	±7.2 µL	±0.9 %	±1.08 µL	4861000163	4861000171
		600 µL	±2.7 %	±16.2 µL	±0.4 %	±2.4 µL		
		1,200 µL	±1.2 %	±14.4 µL	±0.3 %	±3.6 µL		

\* The error data, according to EN ISO 8655, only apply if original Eppendorf tips are used.  
Technical specifications are subject to change. Errors and omissions excepted.

# Eppendorf Xplorer® plus

## Eppendorf Xplorer® plus (single-channel, variable volume, incl. charger)

Volume range	Color code	Volume	Systematic error*		Random error*		Order no.
0.5–10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	1 µL	±2.5 %	±0.025 µL	±1.8 %	±0.018 µL	4861000708
		5 µL	±1.5 %	±0.075 µL	±0.8 %	±0.04 µL	
		10 µL	±1.0 %	±0.1 µL	±0.4 %	±0.04 µL	
5–100 µL	■ yellow (for epT.I.P.S.® 200 µL)	10 µL	±2.0 %	±0.2 µL	±1.0 %	±0.1 µL	4861000716
		50 µL	±1.0 %	±0.5 µL	±0.3 %	±0.15 µL	
		100 µL	±0.8 %	±0.8 µL	±0.2 %	±0.2 µL	
15–300 µL	■ orange (for epT.I.P.S.® 300 µL)	30 µL	±2.5 %	±0.75 µL	±0.7 %	±0.21 µL	4861000724
		150 µL	±1.0 %	±1.5 µL	±0.3 %	±0.45 µL	
		300 µL	±0.6 %	±1.8 µL	±0.2 %	±0.6 µL	
50–1,000 µL	■ blue (for epT.I.P.S.® 1,000 µL)	100 µL	±3.0 %	±3 µL	±0.6 %	±0.6 µL	4861000732
		500 µL	±1.0 %	±5 µL	±0.2 %	±1 µL	
		1,000 µL	±0.6 %	±6 µL	±0.2 %	±2 µL	
0.25–5 mL	■ purple (for epT.I.P.S.® 5 mL)	500 µL	±3.0 %	±15 µL	±0.6 %	±3 µL	4861000740
		2,500 µL	±1.2 %	±30 µL	±0.3 %	±6.25 µL	
		5,000 µL	±0.6 %	±30 µL	±0.15 %	±7.5 µL	
0.5–10 mL	■ turquoise (for epT.I.P.S.® 10 mL)	1,000 µL	±3.0 %	±30 µL	±0.6 %	±6 µL	4861000759
		5,000 µL	±0.8 %	±40 µL	±0.2 %	±10 µL	
		10,000 µL	±0.6 %	±60 µL	±0.15 %	±15 µL	

## Eppendorf Xplorer® plus (multichannel, variable volume, incl. charger)

Volume range	Color code	Volume	Systematic error*		Random error*		Order no. 8-channel	Order no. 12-channel
0.5–10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	1 µL	±5.0 %	±0.05 µL	±3.0 %	±0.03 µL	4861000767	4861000775
		5 µL	±3.0 %	±0.15 µL	±1.5 %	±0.075 µL		
		10 µL	±2.0 %	±0.2 µL	±0.8 %	±0.08 µL		
5–100 µL	■ yellow (for epT.I.P.S.® 200 µL)	10 µL	±2.0 %	±0.2 µL	±2.0 %	±0.2 µL	4861000783	4861000791
		50 µL	±1.0 %	±0.5 µL	±0.8 %	±0.4 µL		
		100 µL	±0.8 %	±0.8 µL	±0.25 %	±0.25 µL		
15–300 µL	■ orange (for epT.I.P.S.® 300 µL)	30 µL	±2.5 %	±0.75 µL	±1.0 %	±0.3 µL	4861000805	4861000813
		150 µL	±1.0 %	±1.5 µL	±0.5 %	±0.75 µL		
		300 µL	±0.6 %	±1.8 µL	±0.25 %	±0.75 µL		
50–1,200 µL	■ medium green (for epT.I.P.S.® 1,200 µL)	120 µL	±6.0 %	±7.2 µL	±0.9 %	±1.08 µL	4861000821	4861000830
		600 µL	±2.7 %	±16.2 µL	±0.4 %	±2.4 µL		
		1,200 µL	±1.2 %	±14.4 µL	±0.3 %	±3.6 µL		

\* The error data, according to EN ISO 8655, only apply if original Eppendorf tips are used.  
Technical specifications are subject to change. Errors and omissions excepted.

## Accessories

	Order no.
<b>Charger Stand</b> , for one Eppendorf Xplorer® or Eppendorf Xplorer® plus	4880000000
<b>Charger Carousel</b> , for 4 Eppendorf Xplorer® or Eppendorf Xplorer® plus	4880000026
<b>Pipette Holder</b> , for one Eppendorf Xplorer® or Eppendorf Xplorer® plus, for wall mounting, sticky tape included	4861615001
<b>Charger shell</b> , for one Eppendorf Xplorer® or Eppendorf Xplorer® plus, for charger carousel	4880602000

# Eppendorf Easypet® 3

Description	Order no.
<b>Easypet® 3</b> , incl. power supply and Lithium-polymer rechargeable battery, wall mount, shelf stand, and two membrane filters (unsterile) 0.45 µm	4430000018
<b>Membrane filter</b> , sterile, 0.45 µm, set of 5	4421601009
<b>Membrane filter</b> , sterile, 0.2 µm, pack of 5	4430606005
<b>Lithium-polymer rechargeable battery</b> for Easypet® 3	4430605009
<b>Pipette Holder</b> , for one Eppendorf Easypet® 3, for wall mounting, sticky tape included	4430604002

# Eppendorf Pipet Helper®

Description	Order no.
Pipet Helper®, 0.1–100 mL	4423000010
Membrane filter, for Pipet Helper®, 3 µm, not sterile, (pack of 10)	022231103

# The Eppendorf eShop

Visit our eShop and find more information about our products.

Shop & Products Applications Service & Support About Us myEppendorf

Eppendorf North America > Shop & Products > Manual Liquid Handling

## Manual Liquid Handling

Perfection lies in the details – this a principle that definitely holds true for our hand-held pipettes and associated consumables. A histo liquid handling has resulted in award-winning designs, cutting-edge production, optimal materials selection and products that are hard performance – guaranteeing the quality you deserve.

The Eppendorf Liquid Handling Instrument Portfolio

As the inventor of the micropipette system, we at Eppendorf have over fifty years of experience in precise manual and automatic pipetting, transferring of the smallest quantities of liquids. The standards defined by Eppendorf quality assurance (for example, precision and accuracy) surpass the standards required to obtain these results, and guarantee the reproducibility that our customers have come to depend on.

All Products	Pipettes	Pipette Tips	Dispensers
Pipette Controller	Accessories		

Promotion

Eppendorf Reference® 2

Promotion

Eppendorf Research® plus

epT.I.P.S.®

Repeater® M4

New

Repeater® E3/E3x

Promotion

Eppendorf Xplorer®

People who give 100% every day deserve the best tools and the best equipment. You work on demanding problems, and important decisions depend on the results of your work. With the Eppendorf Xplorer, your work achieves a new level of simplicity, precision and reproducibility. Means: no more delays due to complicated programming or inflexible processes. More information

Request a demo  
Eppendorf Promotion  
Liquid Handling New Product Innovation Award

> Detailed information about our liquid handling products:  
[www.eppendorf.com/eshop](http://www.eppendorf.com/eshop)

# Eppendorf Repeater® M4

Description	Order no.
<b>Repeater® M4 Starter Kit</b> , Repeater® M4, Combitip Rack, Combitip assortment pack	4982000322

## Repeater® E3/E3x

Description	Order no.
<b>Repeater® E3</b> , with charging cable and Combitips advanced® assortment pack	4987000118
<b>Repeater® E3 bundle incl. charger stand</b> , with charging cable and Combitips advanced® assortment pack	4987000398
<b>Repeater® E3x</b> , with charging cable and Combitips advanced® assortment pack	4987000134
<b>Repeater® E3x bundle incl. charger stand</b> , with charging cable and Combitips advanced® assortment pack	4987000410
<b>Charger Stand</b> , for one Eppendorf Repeater® E3 or E3x	4880000018
<b>Charger Carousel</b> , for 4 Eppendorf Xplorer® or Xplorer® plus	4880000026
<b>Charger shell</b> , for one Eppendorf Repeater® E3 or E3x, for charger carousel 4880000026	4880601003
<b>Pipette Holder</b> , for one Eppendorf Repeater® E3 or E3x, for wall mounting, sticky tape included	4986604001

## Combitips advanced®

Volume	Color code	Order no. Eppendorf Quality box of 100 pcs. (4 bags x 25 pcs.)	Order no. PCR clean* <sup>1</sup> box of 100 pcs., 4 bags (zip-lock) x 25 pcs.	Order no. Sterile box of 100 pcs. (individually wrapped)	Order no. Eppendorf Biopur®* <sup>2</sup> box of 100 pcs. (individually wrapped)	Order no. Forensic DNA Grade box of 100 pcs. (individually wrapped)
0.1 mL	□ White	0030089405	0030089766	0030089510	0030089618	–
0.2 mL	■ Light blue	0030089413	0030089774	0030089529	0030089626	–
0.5 mL	■ Purple	0030089421	0030089782	0030089537	0030089634	–
1 mL	■ Yellow	0030089430	0030089790	0030089545	0030089642	0030089855
2.5 mL	■ Green	0030089448	0030089804	0030089553	0030089650	0030089863
5 mL	■ Blue	0030089456	0030089812	0030089561	0030089669	0030089871
10 mL	■ Orange	0030089464	0030089820	0030089570	0030089677	–
25 mL* <sup>3</sup>	■ Red	0030089472	0030089839	0030089588	0030089685	–
50 mL* <sup>3</sup>	■ Light gray	0030089480	0030089847	0030089598	0030089693	–
<b>Accessories</b>						
25 mL adapter (1 pc.)	■ Red	0030089715				
25 mL adapter (7 pcs.)	■ Red				0030089731	
50 mL adapter (1 pc.)	■ Light gray	0030089723				
50 mL adapter (7 pcs.)	■ Light gray				0030089740	
Combitip Rack (for 8 Combitips advanced®, 0.1 mL–10 mL)		0030089758				
Combitips advanced® Assortment pack (1 Combitip of each size, incl. adapters)		0030089936				

\*<sup>1</sup> PCR clean: batch tested and certified to be free of: human DNA, DNase, RNase, PCR inhibitors

\*<sup>2</sup> Eppendorf Biopur®: batch tested and certified to be sterile and free of: human and bacterial DNA, DNase, RNase, PCR inhibitors, ATP, pyrogen

\*<sup>3</sup> 4 boxes of 25 pcs. each. Each box contains an adapter.

## Eppendorf Biomaster®

Description	Order no.
<b>Biomaster® pipette kit</b> , includes 1 Biomaster 4830 pipette with 1–20 µL continuous volume selection and 1 box of 96 Mastertips	022440501
<b>Positive displacement tip</b> , assembled ready-to-use, 5 racks of 96 tips	022354159

## Eppendorf Maxipettor

Description	Order no.
<b>Eppendorf Maxipettor</b> , single-channel, with continuous volume selection in the 1–10 mL range	022290002
<b>Eppendorf Maxitip S Starter Kit</b> , to remove liquid from narrow-necked vessels and measuring flasks, consisting of 100 Eppendorf Maxitip, 10 dispensing parts, 10 valves	022291301
<b>Eppendorf Maxitip P</b> , to remove liquid from smaller vessels, 100 pieces	022291050
<b>Eppendorf Maxitip S dispensing part</b> , 30 pieces	022291408
<b>Eppendorf Maxitip S, graduated</b> , 200 pieces	022291351
<b>Eppendorf Maxitips S valve</b> , 100 pieces	022291459
<b>Pipette holder</b> , for one Eppendorf Maxipettor, for pipette carousel 022444905	022260588

## Eppendorf Varispenser® plus

Size (mm)	Volume range	With 3 adapters for outer diameters (mm)	Order no. Varispenser® plus	Order no. Varispenser®
1	0.50–2.50 mL	GL 28, 45, S 40	4961000012	4960000019
2	1.00–5.00 mL	GL 28, 45, S 40	4961000020	4960000027
3	2.00–10.0 mL	GL 28, 45, S 40	4961000039	4960000035
4	5.00–25.0 mL	GL 32, 38, S 40	4961000047	4960000043
5	10.0–50.0 mL	GL 32, 38, S 40	4961000055	4960000051
6	20.0–100.0 mL	GL 32, 38, S 40	4961000063	4960000060
<b>Discharge tube, spiral</b>				
80 cm for Varispenser®/Varispenser® plus, up to 10 mL				4960824003
80 cm for Varispenser®/Varispenser® plus, for 25–100 mL				4960825000

## Eppendorf Top Buret™

Description	Volume	With three adapters for outer diameter (mm)	Order no.
<b>Eppendorf Top Buret™ M</b>	2.5 mL per rotation	32, 38, 40	4965000017
<b>Eppendorf Top Buret™ H</b>	5.0 mL per rotation	32, 38, 40	4965000025
<b>Dry tube</b>			4960851000

# epMotion®

Description	Order no.
<b>epMotion® 96</b> , 96-channel, semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 0.5–300 $\mu$ L	5069000004
<b>epMotion® 96</b> , 96-channel, with 2-position slider, semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 0.5–300 $\mu$ L	5069000101
<b>epMotion® 96xl</b> , semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod controller), 5–1,000 $\mu$ L	5069000209
<b>epMotion® 96xl</b> , with 2-position slider, semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod controller), 5–1,000 $\mu$ L	5069000306
<b>epMotion® 5070 EasyCon</b> , completely contained housing, system incl. Eppendorf EasyCon, epBlue™ software and LH assistant, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5070007001
<b>epMotion® 5070 MultiCon</b> , completely contained housing, system incl. Eppendorf MultiCon, epBlue™ software and LH assistant, keyboard, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5070007011
<b>epMotion® 5070f EasyCon</b> , system incl. Eppendorf EasyCon, epBlue™ software and LH assistant, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5070007101
<b>epMotion® 5070f MultiCon</b> , system incl. Eppendorf MultiCon, epBlue™ software and LH assistant, keyboard, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5070007111
<b>epMotion® 5073l EasyCon</b> , completely contained housing system incl. Eppendorf EasyCon, epBlue™ software and LH assistant, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5073007401
<b>epMotion® 5073l MultiCon</b> , completely contained housing system incl. Eppendorf MultiCon, epBlue™ software and LH assistant, keyboard, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5073007411
<b>epMotion® 5073lc EasyCon</b> , CleanCap, system incl. Eppendorf EasyCon, epBlue™ software and LH assistant, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5073007501
<b>epMotion® 5073lc MultiCon</b> , CleanCap, system incl. Eppendorf MultiCon, epBlue™ software and LH assistant, keyboard, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5073007511
<b>epMotion® 5073m EasyCon</b> , completely contained housing, system incl. Eppendorf EasyCon, MagSep module, Eppendorf ThermoMixer®, epBlue™ software and Prep assistant, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5073007801
<b>epMotion® 5073m MultiCon</b> , completely contained housing, system incl. Eppendorf MultiCon, MagSep module, Eppendorf ThermoMixer®, epBlue™ software and Prep assistant, keyboard, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5073007811
<b>epMotion® 5073mc EasyCon</b> , CleanCap, system incl. Eppendorf EasyCon, MagSep module, Eppendorf ThermoMixer®, CleanCap, epBlue™ software and Prep assistant, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5073007901
<b>epMotion® 5073mc MultiCon</b> , CleanCap, system incl. Eppendorf MultiCon, MagSep module, Eppendorf ThermoMixer®, CleanCap, epBlue™ software and Prep assistant, keyboard, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5073007911
<b>epMotion® 5075l</b> , basic device incl. epBlue™ software, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5075006018
<b>epMotion® 5075l with CleanCap</b> , 100–240 V/50–60 Hz, incl. MultiCon all-in-one PC, epBlue software, LH Assistant, keyboard, mouse and waste box	5075006019
<b>epMotion® 5075v</b> , basic device incl. vacuum system, gripper, vac frame 2, vac frame holder, epBlue™ software, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5075006020
<b>epMotion® 5075v with CleanCap</b> , with integrated vacuum system, 100–240 V/50–60 Hz, incl. MultiCon all-in-one PC, epBlue software, keyboard, mouse, gripper, Vac Frame 2, Vac Frame holder and waste box	5075006021
<b>epMotion® 5075t</b> , basic device incl. Eppendorf ThermoMixer®, epBlue™ software, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5075006022
<b>epMotion® 5075t with CleanCap</b> , with integrated ThermoMixer, 100–240 V/50–60 Hz, incl. MultiCon all-in-one PC, epBlue software, keyboard, mouse and waste box	5075006023
<b>epMotion® 5075vt</b> , basic device incl. vacuum system, gripper, vac frame 2, vac frame holder, Eppendorf ThermoMixer®, epBlue™ software, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5075006035
<b>epMotion® 5075vt with CleanCap</b> , with integrated vacuum system and ThermoMixer, 100–240 V/50–60 Hz, incl. MultiCon all-in-one PC, epBlue software, keyboard, mouse, gripper, Vac Frame 2, Vac Frame holder and waste box	5075006034
<b>epMotion® 5075m</b> , basic device incl. MagSep module, Eppendorf ThermoMixer®, epBlue™ software, mouse, waste box, 100–240 V $\pm 10$ %/50–60 Hz $\pm 5$ %, 1 $\mu$ L–1 mL	5075006024
<b>epMotion® 5075m with CleanCap</b> , with integrated ThermoMixer and MagSep module, 100–240 V/50–60 Hz, incl. MultiCon all-in-one PC, epBlue software, PREP Assistant, PCR Assistant, keyboard, mouse and waste box	5075006025

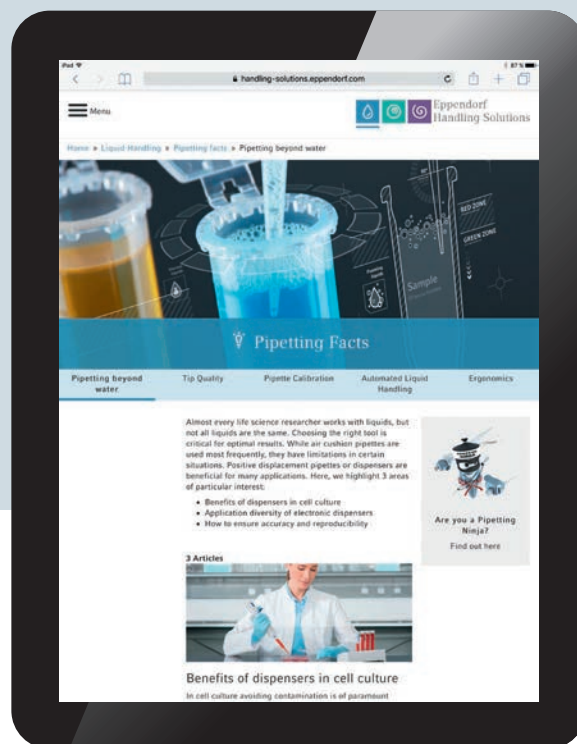
# Eppendorf Handling Solutions

**Are you working with problem liquids or do you wish to improve your pipetting skills?**

We are developing products and solutions in the areas of Liquid Handling, Cell Handling and Sample Handling. Reproducible results, optimized workflows, pipetting skills, and the challenges in cell culture are just a few topics presented in this online sphere.



> Learn more about pipetting and have fun as well:  
[www.eppendorf.com/pipetting](http://www.eppendorf.com/pipetting)



**Your local distributor:** [www.eppendorf.com/contact](http://www.eppendorf.com/contact)  
 Eppendorf North America, Inc. · Phone: 800-645-3050  
[info@eppendorf.com](mailto:info@eppendorf.com) · [www.eppendorf.com](http://www.eppendorf.com)

[www.eppendorf.com](http://www.eppendorf.com)

epMotion® M5073/M5073c/M5075m: This product and its use may be covered by one or more patents owned by Gen-Probe Incorporated. The purchase price for this product includes only limited, nontransferable rights under certain claims of certain patents owned by Gen-Probe Incorporated to use this product for research purposes only. No other rights are conveyed. Purchaser is not granted any rights under patents of Gen-Probe Incorporated to use this product for any commercial use. Further information regarding purchasing a license under patents of Gen-Probe Incorporated to use this product for any other purposes, including, without limitation, for commercial use, may be obtained by contacting Gen-Probe Incorporated, Attn: Business Development Department, 10210 Genetic Center Drive, San Diego, California 92121-4362, U.S.A.

Eppendorf®, the Eppendorf Brand Design, epServices® logo, epServices for Premium Performance®, Eppendorf Reference®, Eppendorf Pipet Helper®, Biomaster®, Biopur®, Repeater®, Eppendorf Research®, Eppendorf Xplorer®, PhysioCare Concept®, epT.I.P.S.®, Combitips advanced®, Varispenser®, Easypet®, ep Dualfilter T.I.P.S.®, Maxipettor®, Mastertip®, epMotion® and Eppendorf ThermoMixer® are registered trademarks of Eppendorf AG, Germany. Eppendorf TopBuret™, epBlue™, Eppendorf Quality™ and Eppendorf MagSep™ are trademarks of Eppendorf AG, Germany. U.S. Design Patents are listed on [www.eppendorf.com/ip](http://www.eppendorf.com/ip). All rights reserved, including graphics and pictures.  
 Order No. APIP F12 080/ENA2/6T/0617/SSO. Copyright © 2017 by Eppendorf AG.