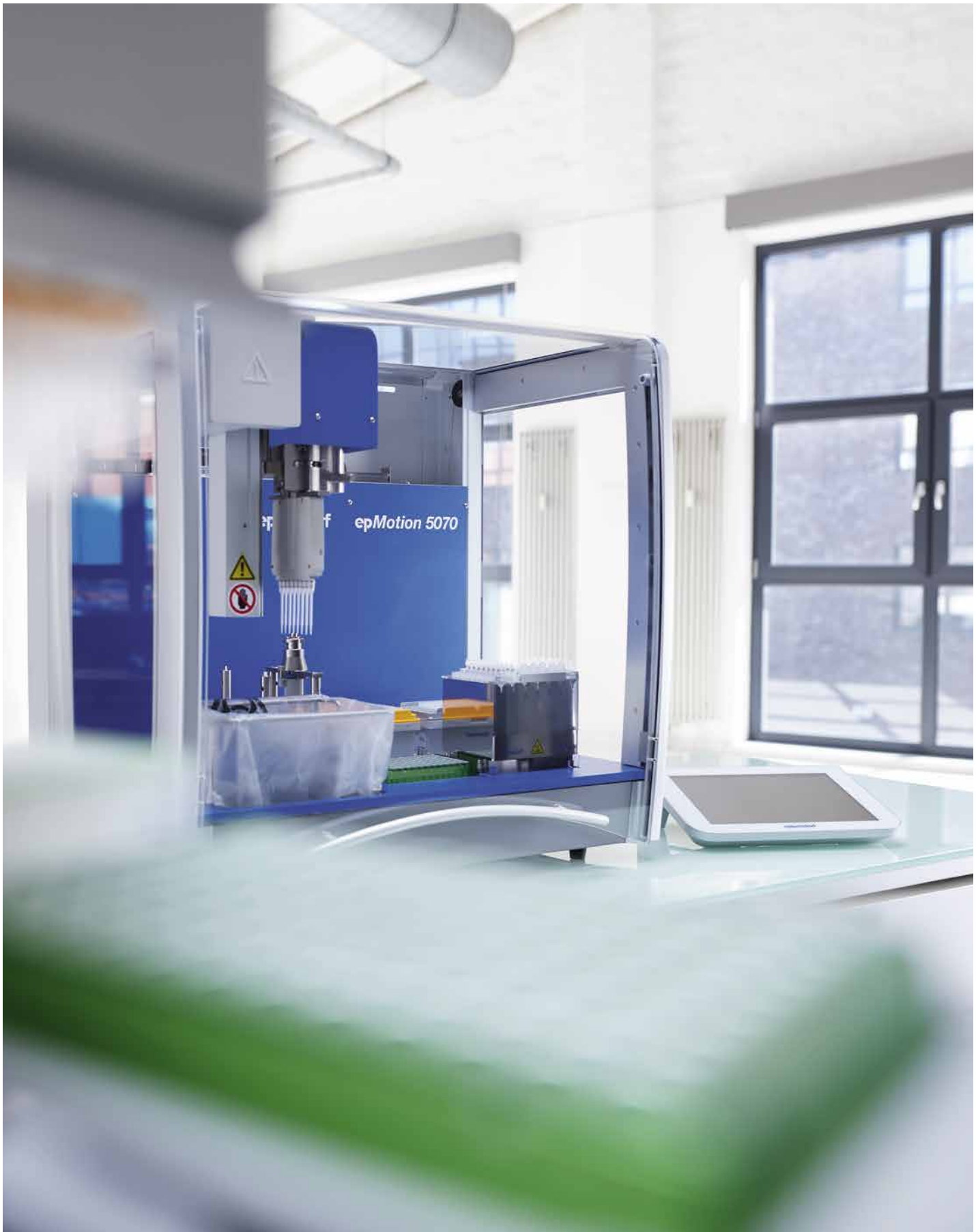
eppendorf

General Lab Products EU


# Natural Winners

**You give your all to scientific research every day**
**Eppendorf liquid handling instruments help you grow beyond your limits**


epMotion 5070

# »Global Research, Eppendorf Engineering.«

Perfection down to the smallest detail – this principle is adhered to in the design and functionality of Eppendorf pipettes, dispensers and laboratory consumables. The Eppendorf competence and expertise in liquid handling has resulted in many innovations, award-winning ergonomic designs, cutting edge production and the selection of optimal materials for our products.

**The Eppendorf Liquid Handling Instrument Portfolio**
As the first company to launch a microliter pipette, we at Eppendorf have over 60 years' experience in precise manual and automatic pipetting/dispensing and transferring of the smallest quantities of liquids. Today, liquid handling systems from Eppendorf are used wherever accuracy, precision, and absolute reliability are important. In our product development, we strive to simplify cumbersome lab work and make it as safe and efficient as possible so you can concentrate on and accelerate your research.

**Master Your Challenging Liquids!**
Are you working with viscous, volatile, dense or foaming liquids? Become an expert and master even challenging liquids precisely with the right tool.

> See page 10 for more information

**Eppendorf 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.

PhysioCare concept

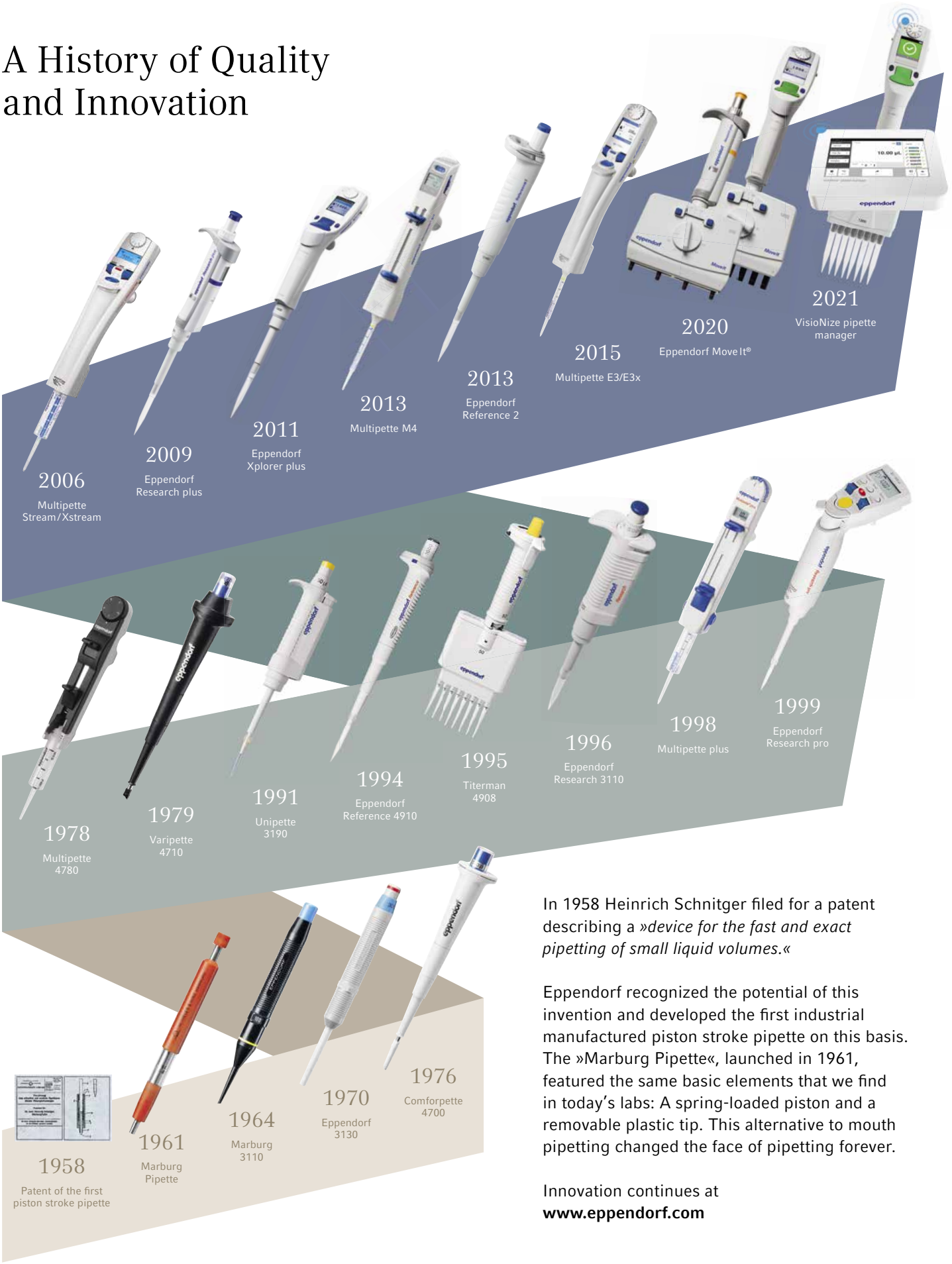
> See page 34 for more information

**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 35 for more information

# 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**

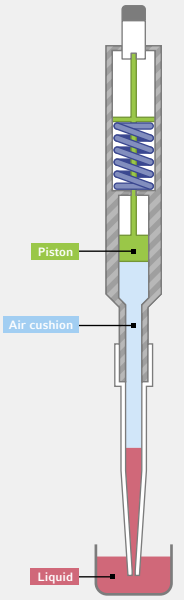
# Which instrument should you use?

Selecting the right pipette or dispenser can be the key to success in your work. It can boost your efficiency and throughput and ensure reliable results for different use cases.

Should you be new to liquid handling, please refer to the information below for a quick introduction to the basics.

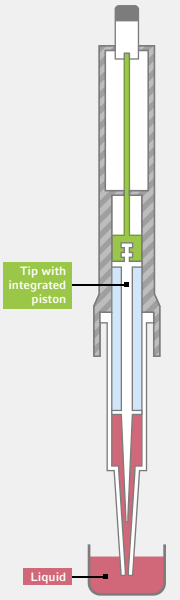
## What are air-cushion and positive displacement instruments?

**Air-cushion principle**
Air-cushion pipettes are most commonly used in labs around the world and ideal for liquids with physical properties similar to water. In this instrument type, the piston is separated from the liquid sample by a small air cushion. Temperature or humidity changes, as well as the physical properties of different liquids can affect the performance of air-cushion instruments. To reduce these risks however, Eppendorf air-cushion pipettes work with extra small air cushions and may be temporarily adjusted to different liquids.



Air cushion principle

**Positive displacement principle**
In positive displacement systems, the piston is part of the tip and in direct contact with the liquid. There is no air cushion that may be affected by liquid sample properties. These tools are therefore ideal for liquids with varying viscosity, volatility, surface tension or density as well as hot or cold liquids. The disposable tips with integrated pistons also prevent contamination and help to keep user and instrument safe when working with hazardous liquids.



Positive displacement principle

**When should you use an electronic instrument?**
The most important general benefits of using an electronic instrument are: better ergonomics by requiring almost no operating forces, a higher precision and reproducibility and an additional efficiency gain due to various operating modes (such as e.g. pipetting and dispensing with only one tool). Furthermore, electronic instruments are the basis for digital lab solutions supporting scientists with choosing settings for different liquid types, collaborating across the lab or documenting steps.

**When should you think about an automated solution?**
Automated liquid handling systems such as the ep*Motion*® family are ideal to take over routine and repetitive pipetting tasks that are commonly found in many molecular biological applications. They are ideally suited whenever complex processes need to be standardized, help to reduce the risk of manual pipetting errors, increase reproducibility and free up your valuable time for other tasks.

# Selection Guide

## Air-cushion principle

| | | | |
|---|---|---|---|
| |  |  |  |
| **Model** | **Eppendorf Research® plus** | **Eppendorf Reference® 2** | **Eppendorf Xplorer®/Xplorer® plus** |
| **Application** | Pipetting of aqueous liquids | Pipetting of aqueous liquids | Pipetting of aqueous liquids |
| **Product type** | Pipette | Pipette | Pipette |
| **Compatible VisioNize® pipette manager** | – | – | Yes |
| **Operation** | Mechanical, separate control button and ejector | Mechanical, combined control button and ejector | Electronic, separate control button and ejector |
| **Pipetting type** | Air-cushion | Air-cushion | Air-cushion |
| **Adjustable cone spacing** | No | No | No |
| **Positioning** | Ultra light weight and pipetting force for ultimate ergonomics | Reliability in robustness and results | Intuitive and fast pipetting |
| **Volume range** | 0.1 µL–10 mL | 0.1 µL–10 mL | 0.5 µL–10 mL |
| **Available options** | 1-channel<br>8-channel<br>12-channel<br>16-channel<br>24-channel | 1-channel<br>8-channel<br>12-channel | 1-channel<br>8-channel<br>12-channel<br>16-channel<br>24-channel |
| **Autoclavable** | Yes | Yes | Yes (lower part) |
| **Consumables** | epT.I.P.S.® and ep Dualfilter T.I.P.S.® as well as other pipette tip brands | epT.I.P.S.® and ep Dualfilter T.I.P.S.® as well as other pipette tip brands | epT.I.P.S.® and ep Dualfilter T.I.P.S.® as well as other pipette tip brands |
| **Purity grades of consumables** | > Eppendorf Quality™<br>> PCR clean & sterile<br>> Eppendorf Biopur®<br>> Forensic DNA Grade | > Eppendorf Quality™<br>> PCR clean & sterile<br>> Eppendorf Biopur®<br>> Forensic DNA Grade | > Eppendorf Quality™<br>> PCR clean & sterile<br>> Eppendorf Biopur®<br>> Forensic DNA Grade |
| **Page** | 12 | 14 | 16 |

*1 Combitips advanced only

**When should I use air-cushion pipettes?**
Air-cushion pipettes are optimal for liquids with physical properties similar to water.

## Positive displacement pr

| | | | |
|---|---|---|---|
|  |  |  |  |
| **Eppendorf Research® plus / Xplorer® plus Move It®** | **Eppendorf Easypet® 3** | **Eppendorf Pipet Helper®** | **Multipette® M4** |
| Pipetting of aqueous liquids | Pipetting of aqueous liquids with serological and volumetric pipettes | Pipetting of aqueous liquids with serological and volumetric pipettes | Dispensing of up to 100 steps per Combitip filling of aqueous, viscous and volatile liquids |
| Pipette | Pipette controller | Pipette controller | Dispenser |
| Yes | – | – | – |
| Mechanical or electronic, separate control button and ejector | Electronic | Mechanical | Mechanical |
| Air-cushion | Air-cushion | Air-cushion | Positive displacement |
| Yes | No | No | No |
| Double your performance when transferring multiple samples between changing formats | Overall ergonomic concept with new speed control for stress-free pipetting | A perfect instrument for inexperienced users because of its robust and intuitive design | Time savings for serial dispensing and high accuracy for challenging liquids |
| 1–1,200 µL | 0.1–100 mL | 0.1–100 mL | 1 µL–10 mL |
| 4-channel (9-33 mm)<br>6-channel (9-20 mm)<br>8-channel (9-14 mm)<br>8-channel (4.5-14 mm)<br>12-channel (4.5-9 mm) | 1-channel | 1-channel | 1-channel |
| Yes (Xplorer plus only lower part) | Yes (pipette adapter and aspirating cone) | Yes | No |
| epT.I.P.S.® and ep Dualfilter T.I.P.S.® as well as other pipette tip brands | Eppendorf Serological Pipets and other volumetric and serological pipettes | Eppendorf Serological Pipets and other volumetric and serological pipettes | Combitips advanced® ViscoTip® |
| > Eppendorf Quality™<br>> PCR clean & sterile<br>> Eppendorf Biopur®<br>> Forensic DNA Grade | > Sterile<br>> Free of detectable RNase & DNase<br>> Free of detectable pyrogens<br>> Free of detectable DNA<br>> Forensic DNA Grade | > Sterile<br>> Free of detectable RNase & DNase<br>> Free of detectable pyrogens<br>> Free of detectable DNA<br>> Forensic DNA Grade | > Eppendorf Quality™<br>> PCR clean*[1]<br>> Eppendorf Biopur®*[1]<br>> Forensic DNA Grade*[1] |
| 18 | 26 | 26 | 22 |

**When should I use positive displace**
Positive displacement instruments ar
These include liquids with varying vis

## inciple

## Automated liquid h

| **Multipette® E3/E3x** | **Varipette® 4720** | **Varispenser® 2/2x** | **Eppendorf Top Buret™** | **ep*Motion*® 96 and ep*Motion*® 96xl** |
|---|---|---|---|---|
| Dispensing of up to 100 steps per Combitip filling of aqueous, viscous and volatile liquids | Contamination-free pipetting of aqueous, viscous andvolatile liquids | Single stroke dispensing of lyes, acids, bases, aqueous liquids or solvents | Titration of aqueous liquids | Pipetting of aqueous liquids with 96 channels at once |
| Dispenser | Pipette | Bottletop dispenser | Bottletop burette | Semi-automated 96 channel pipette |
| Yes | – | – | – | – |
| Electronic | Mechanical | Mechanical | Electronic | Electronic |
| Positive displacement | Positive displacement and air-cushion | Positive displacement | Positive displacement | Air-cushion |
| No | No | No | No | No |
| Reduced strain for long dispensing series and highest volume flexibility | Pipetting with reduced outside fault effects | Safe and easy dispensing of liquid from supply and reagent bottles | Continuous and pulse-free titration | Intuitive and fast pipetting in 96 and 384 format |
| 1 µL–50 mL | 1–10 mL | 0.2–100 mL | 0.1–999.9 mL | ep*Motion* 96: 0.5–300 µL, ep*Motion* 96xl: 5–1,000 µL |
| 1-channel | 1-channel | 1-channel | 1-channel | 2-position lifting table |
| No | No | Yes | No | No |
| Combitips advanced® ViscoTip® | Eppendorf Varitips | – | – | epT.I.P.S.® Motion reload syste |
| > Eppendorf Quality™<br>> PCR clean*[1]<br>> Eppendorf Biopur®*[1]<br>> Forensic DNA Grade*[1] | > Eppendorf Quality™ | – | – | > Eppendorf Quality™<br>> PCR clean<br>> PCR clean & sterile |
| 23 | 27 | 27 | 27 | 30 |

**ement instruments?**
e ideal for liquids with physical properties other than those of water.
scosity, volatility, surface tension or density as well as hot, cold or hazardous liquids.

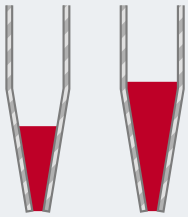
**Automated liquid handling**
Easy programming of liquid
temperature incubations, pla

## andling

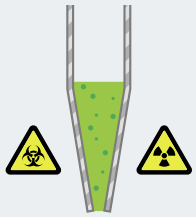
| | epMotion® 5070 | epMotion® 5073 | epMotion® 5075 |
|---|---|---|---|
| |  |  |  |
| | Serial pipetting of aqueous, viscous and volatile liquids in automated way for easy tasks on small foot print | Serial pipetting of aqueous, viscous and volatile liquids in automated way for routine tasks | Serial pipetting of aqueous, viscous and volatile liquids in automated way with highest flexibility and tool options |
| | Automated Liquid Handling | Automated Liquid Handling | Automated Liquid Handling |
| | – | – | – |
| | Automation | Automation | Automation |
| | Air-cushion | Air-cushion | Air-cushion |
| | No | No | No |
| | Reproducible, contamination-free, contactless pipetting at high precision and accuracy | 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 |
| | 0.2–1,000 µL, 1 & 8 channel | 0.2–1,000 µL, 1 & 8 channel | 0.2–1,000 µL, 1 & 8 channel |
| | 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 |
| | Yes (tools) | Yes (tools), UV light and HEPA filter (optional) | Yes (tools), UV light and HEPA filter (optional) |
| m | 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™<br>> PCR clean<br>> PCR clean & sterile | > Eppendorf Quality™<br>> PCR clean<br>> PCR clean & sterile | > Eppendorf Quality™<br>> PCR clean<br>> PCR clean & sterile |
| | 31 | 32 | 33 |

handling steps for aspiration, dispensing or multi-dispensing of defined liquid classes,
ate-mixing, vacuum, or magnetic bead separations.

# Master Any Type of Liquid

| | | Water | Viscous<br>e.g. glycerol, oil | Dense<br>e.g. sulfuric acid, caesium chloride | Volatile<br>e.g. acetone, ethanol |
|---|---|---|---|---|---|
| Type of Liquid | |  |  |  |  |
| Potential problems | Observations | > Air-cushion pipettes are optimized to the physical properties of water | > High resistance to flow<br>> Liquid residues stay attached to inside tip wall<br>> Imprecise results | > Influence on size of air-cushion<br>> Dispensed volume too low or too high | > Air-cushion expands<br>> Liquid drips out of the tip<br>> Imprecise results |
| Workaround | Air-cushion pipettes | > Optimally suitable for the use of water<br>> No adaptation necessary | > Work slowly<br>> Reverse pipetting<br>> Adjust to liquid type*[1] | > Adjust pipette to liquid density<br>> Adjust to liquid type*[1] | > Prewet at least 5 times<br>> Reverse pipetting<br>> Adjust to liquid type*[1] |
| Recommendations | Positive displacement dispenser | > Serial pipetting for multiple samples and vessel formats | > Higher precision regardless of physical properties of liquid<br>> Serial dispensing<br>> No adjustment to liquid type needed | > Higher precision regardless of physical properties of liquid<br>> Serial dispensing<br>> No adjustment to liquid type needed | > Higher precision regardless of physical properties of liquid<br>> Serial dispensing<br>> No adjustment to liquid type needed |
| | Positive displacement pipettes | > Varitip S*[3,4] system allows accurate pipetting from large bottles and narrow vessels | > Varitip P*[2] allows accurate pipetting, for example from beakers | > Varitip P*[2] allows accurate pipetting, for example from beakers | > Varitip P*[2] allows accurate pipetting, for example from beakers<br>> Varitip S system and valve for drip-free dispensing |
| | Bottletop dispenser and burets | > Liquid dispensing directly from supply bottles | > Liquid dispensing directly from supply bottles (with Varispenser® 2/2x up to a viscosity of 500 $mm^{2/s}$) | > Liquid dispensing directly from supply bottles up to a density of 2.2 $g/cm^3$ | > Liquid dispensing directly from supply bottles up to a vapor pressure of 500 mbar |

*[1] This option is only available on automated systems and electronic pipettes
*[2, 3, 4] See Varipette® 4720 for corresponding Eppendorf Varitips®

| | | | Eppendorf Solutions | |
|---|---|---|---|---|
| **Infectious / radioactive**<br>e.g. biohazard material | **Detergent / detergent-containing**<br>e.g. Tween 20, Triton™ X-100 | **Foaming**<br>e.g. protein-containing liquids | **Mechanical systems** | **Electronic systems** |
|  |  |  | | |
| > Aerosols contaminate pipette<br>> Threat to human health and sample safety | > Reduced surface tension<br>> Liquid residues stick to the inner wall of the tip<br>> Imprecise results | > Foam is created<br>> Liquid residues remain in the tip<br>> Imprecise results | **Advantages**<br>> Easy to clean<br>> Economical<br>> Lightweight | **Advantages**<br>> High reproducibility<br>> Ergonomic working<br>> Multifunctionality |
| > Use filter tips<br>> Automated systems protect user and sample | > Use tips with low retention effect<br>> Adjust to liquid type*1 | > Reverse pipetting | > Eppendorf Research® plus<br>> Eppendorf Reference® 2<br>> Research plus Move It®<br>> Pipet Helper®<br>  | > Eppendorf Xplorer® (plus)<br>> VisioNize® pipette manager<br>> Xplorer plus Move It®<br>> Easypet® 3<br>> ep*Motion*®<br>  |
| > Higher precision regardless of physical properties of liquid<br>> Serial dispensing | > Higher precision regardless of physical properties of liquid<br>> Serial dispensing | > Higher precision regardless of physical properties of liquid<br>> Serial dispensing | > Multipette® M4<br>  | > Multipette® E3/E3x<br>  |
| > Varitip P*2 allows accurate pipetting, for example from beakers | > Varitip P*2 allows accurate pipetting, for example from beakers | > Varitip P*2 allows accurate pipetting, for example from beakers | > Varipette® 4720<br>  | |
| > Liquid dispensing directly from supply bottles | > Liquid dispensing directly from supply bottles (with Varispenser® 2/2x up to a viscosity of 500 mm²/s) | > Liquid dispensing directly from supply bottles | > Varispenser® 2/2x for dispensing large volumes<br>  | > Eppendorf Top Buret™ for titration<br>  |

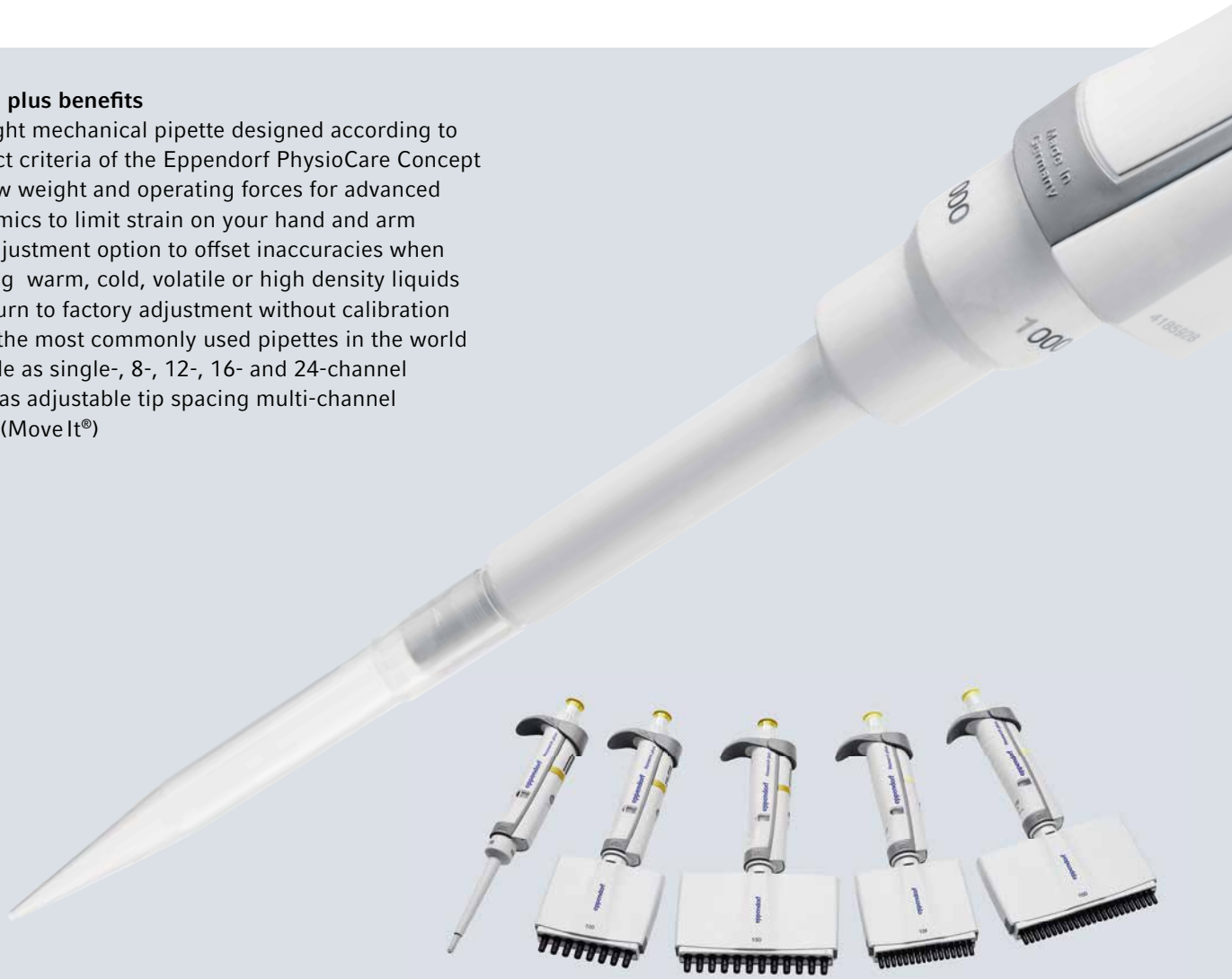
# Eppendorf Research® plus

The Eppendorf Research plus combines about 60 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 temporary 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.

**Research plus 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
> Available as single-, 8-, 12-, 16- and 24-channel as well as adjustable tip spacing multi-channel pipette (Move It®)




> Learn more about Eppendorf 16- & 24-channel pipettes at www.eppendorf.com/ready-set-pipette


reddot design award
winner 2009

SelectScience 2021 GOLD Seal of Quality

**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.

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

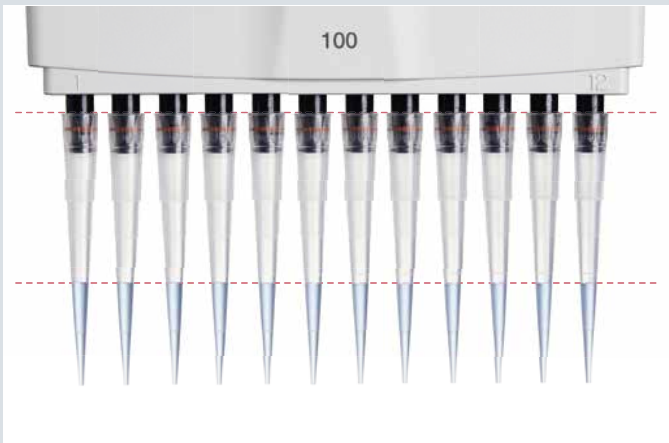
**Low tip attachment force**
Achieve optimal tightness and minimal attachment forces with the Eppendorf Research plus. The spring loaded tip cone* helps to reduce stress without sacrificing tightness.

**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. With the Eppendorf Research plus, you'll benefit from one of the lowest tip ejection forces on the market.

**Temporary 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.

**Spring-loaded tip cone* for exactly reproducible tip fit**
No need for rocking. Just a soft pressure is sufficient for tip attachment. Get extremely consistent sample pickup, even in multi-channel pipettes, and maximize user to user reproducibility for more uniform results among members of the lab.

* Not available in all variants.



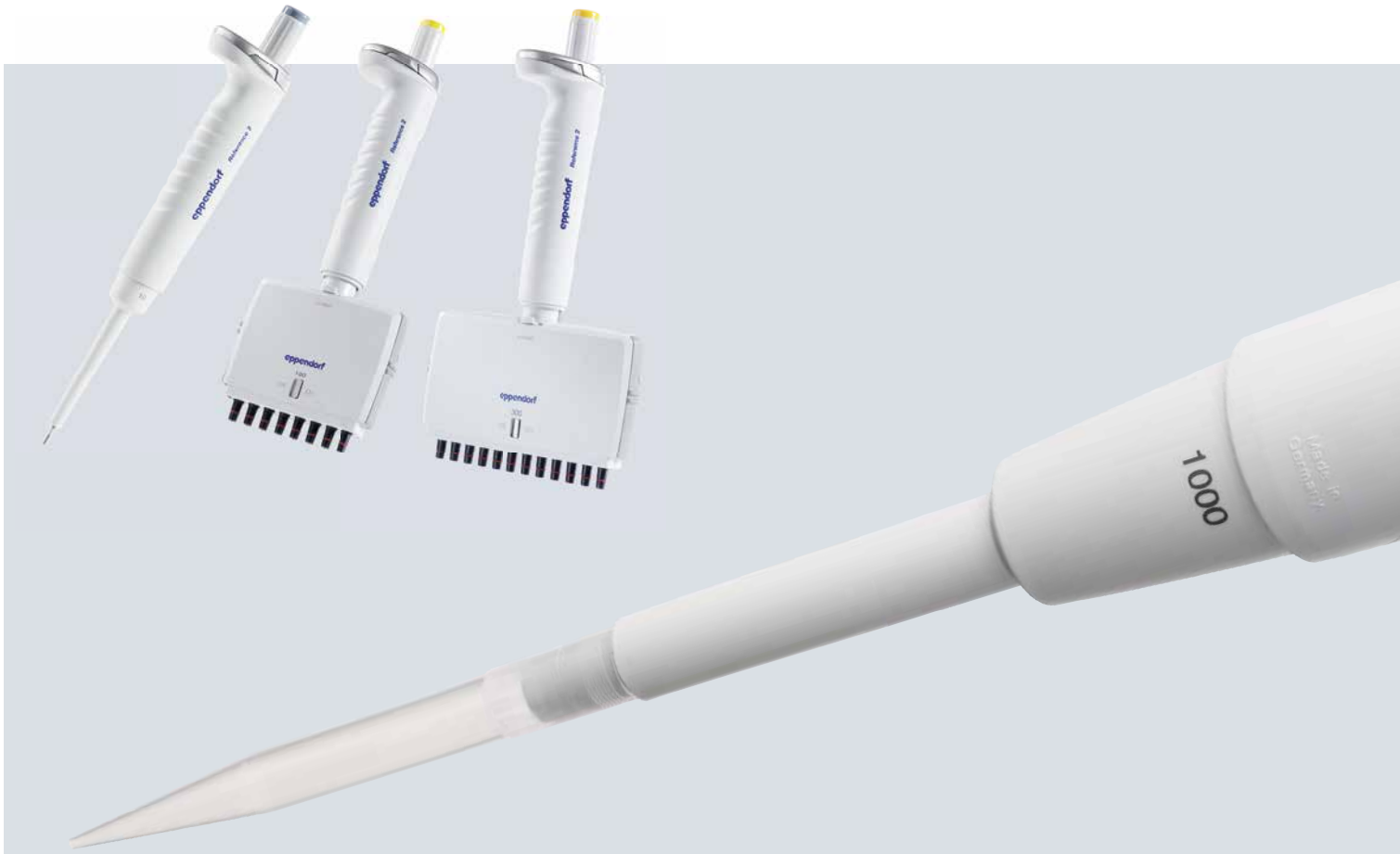
# Eppendorf Reference® 2

The name »Reference« stands for extraordinary precision and accuracy, a long service life, and an ergonomic design. With an innovative one-button operation, the Reference 2 allows fast and ergonomic handling with reduced operating efforts. Its unique smooth surface and autoclavability guarantee efficient decontamination making it the ideal companion when working under sterile conditions.

Our best material and the latest technologies are implemented in this pipette, making it a reliable partner for you and your demanding work.

**Reference 2 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 and easy-to-clean smooth surface
> 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




> Have a look in our brochure with this QR Code!


**User friendly temporary 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

GERMAN DESIGN AWARD SPECIAL 2019

DESIGN AWARD


**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.

**Xplorer/Xplorer plus 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
> 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 single-, 8-, 12-, 16-, and 24-channel as well as adjustable tip spacing multi-channel pipette (Move It®)

**16- and 24-channel pipettes**
The Eppendorf Xplorer plus is available as single-, 8-, 12-, 16- and 24-channel pipette.







**VisioNize® pipette manager**
Connect electronic pipettes and start pipetting right away.
See more on page 28.

> Learn more about Eppendorf 16- & 24-channel pipettes at www.eppendorf.com/ready-set-pipette


**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 modes, adjustable fixed volumes and individual settings, 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.

reddot design award
best of the best


**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 Research® plus and Xplorer® plus Move It®

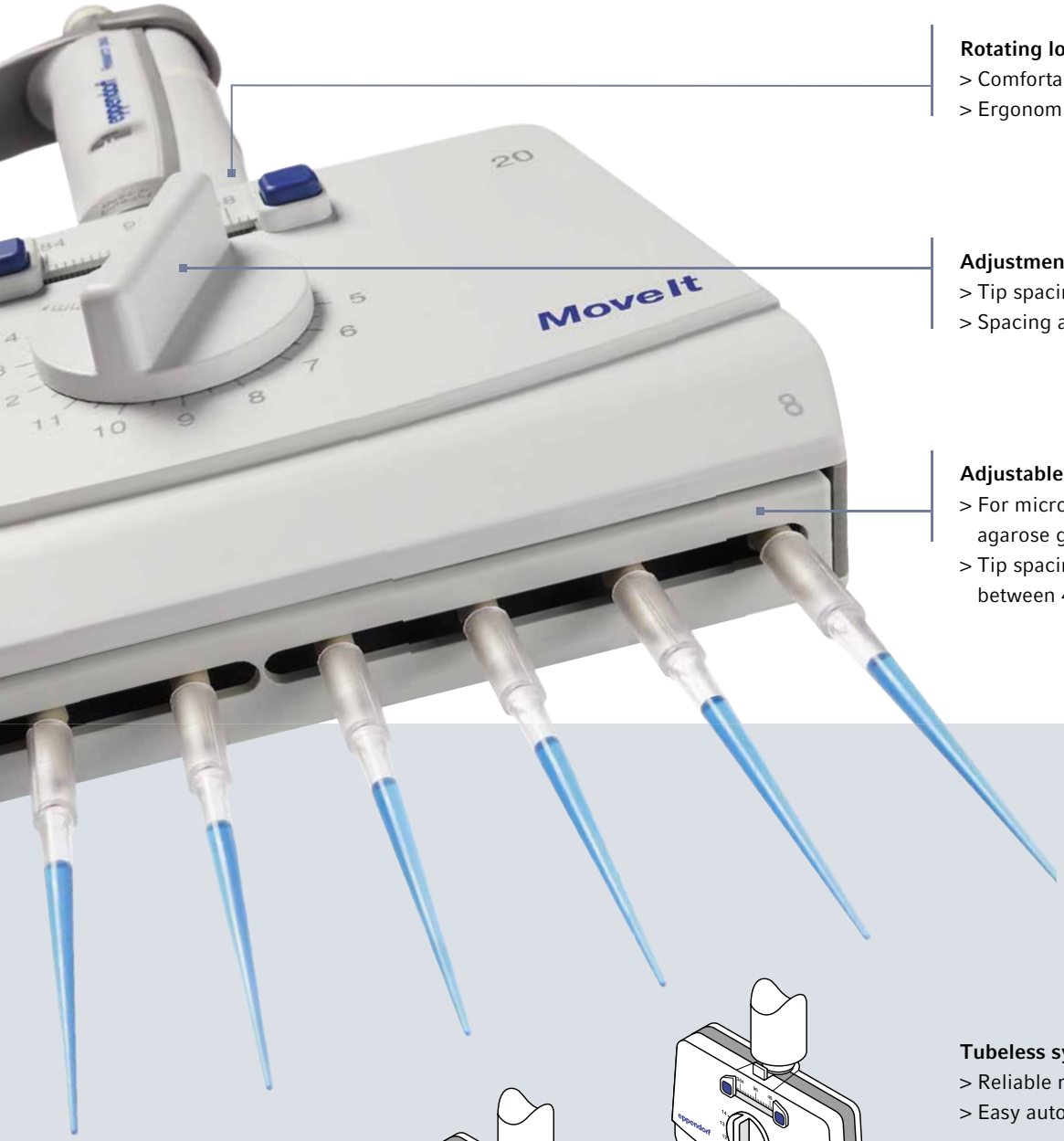
**Double your performance**
Often, single-channel pipettes are used for multiple sample transfer from one vessel type to another, from tubes to plates for instance. This can be time-consuming and inconvenient, especially when throughput increases. Instead of pipetting many times, up to twelve samples can now be moved simultaneously with the 4-, 6-, 8- and 12-channel Move It® pipettes. Move It is equipped with adjustable cones for variable tip spacings according to your vessel format. This easy handling of format changes help reduce throughput time by 50 % and increase reproducibility of your results.

**Format limiter**
Enabling quick switches backwards and forwards between the formats


Wiley Analytical Science Award Winner

Scientists' Choice Awards 21 WINNER

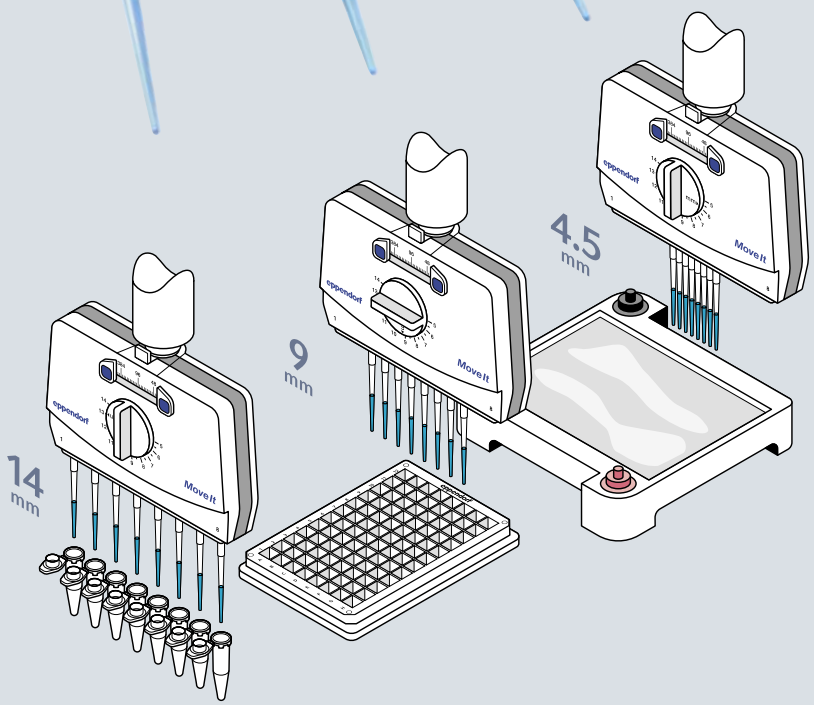
**Move It benefits**
> Easy and fast format changes increasing your efficiency up to 50%
> Less breaks needed thanks to an optimal balance in the hand
> Rotatable pipette head 360° for fast identification of parameters
> Tubeless design allows for increased durability, precision and autoclavibility




**Rotating lower part – 360°**
> Comfortable readability of display
> Ergonomic and relaxed body posture

**Adjustment knob**
> Tip spacing adjustable manually
> Spacing adjustment without vibrations

**Adjustable tip spacing**
> For microplates, sample tubes, agarose gels and further formats
> Tip spacing freely selectable between 4.5 and 33 mm




**Tubeless system**
> Reliable robustness and precision
> Easy autoclavability*

**Format change**
> Easy and fast among plates with up to 384 wells, 1.5 and 2.0 mL tubes and agarose gels

* Xplorer plus lower part only, Research plus fully autoclavable

> Find more information on www.eppendorf.com/move-it

# epT.I.P.S.®

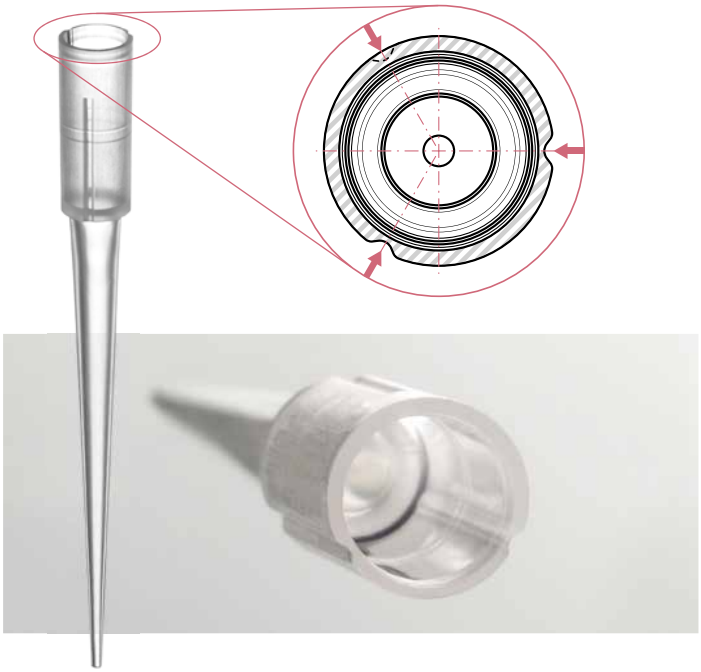
The fact that a tip fits onto a pipette cone does not say anything about the performance of the pipetting system comprising the components »Pipette and Tip«.
The standard ISO 8655:2002 (1) considers pipettes and pipette tips as a system. Eppendorf as a system provider manufactures a system instead of single parts of it.

epT.I.P.S. piptte tips are available in purity grades of Eppendorf Quality, PCR clean and Biopur®. Packed as reloads, reusable boxes, racks for single-use and singles blistered in medical paper.


# epT.I.P.S.® 384

epT.I.P.S. 384 pipette tips are optimally coordinated to Eppendorf 16- and 24-channel pipettes Research plus and Xplorer plus. Process 384-well plates manually with highest level of tip tightness and coaxiality but extraordinary low operating forces.

epT.I.P.S. 384 are available in purity grades of Eppendorf Quality and PCR clean, packed as reusable box and reloads.

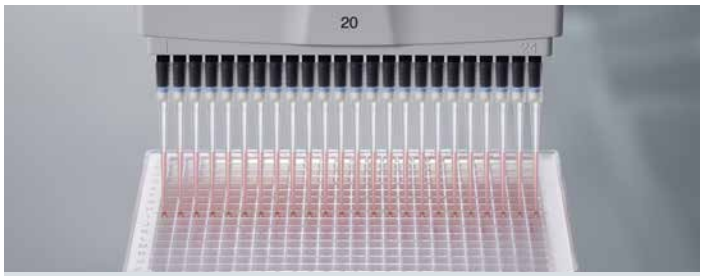


> Read here how pipette tips influence results:
Application Note #354 »The Tip of the Iceberg«

# Twice as Fast in 384-Well Applications

With the advent of the high-throughput screening approach, which is widely used in the pharmaceutical industry, the need for microplates with a larger number of wells arose.

The 384-well microplate was then developed and implemented as a consumable for drug development assays.




## 16 / 24-channel pipettes and epT.I.P.S.® 384

With the lightweight Research plus or the fast and precise Xplorer plus you get a higher volume of precision work done. Get extremely consistent sample pickup across all channels and fill a complete 384-well plate within 1 minute. It couldn't be easier to perfectly hit all 384 wells as the epT.I.P.S. 384 have an extremely fine tip shape, and an extraordinary coaxiality which enables a perfect tip alignment.

**www.eppendorf.com/ready-set-pipette**

## 384-well Plates

Eppendorf consumables with their unique features make every day routines faster, easier, and more reliable. Eppendorf 384-well plates are available as Deep well plates (384/200 µL), Microplates (384/F and 384/V), Assay/Reader Microplates (384/V black and white), Protein and DNA LoBind and twin.tec® PCR plates.

**www.eppendorf.com/plates**

# Also interesting

**Eppendorf ThermoMixer® FP**

**www.eppendorf.com/thermomixer**

**Eppendorf Centrifugation**

**www.eppendorf.com/centrifuges**

**Mastercycler® X50h**

**www.eppendorf.com/mastercycler**

> Eppendorf workflow solutions: www.eppendorf.com/workflows

# Multipette® M4

The Eppendorf Multipette M4 is the ideal precision instrument for completing long pipetting series without the need for repeated liquid aspiration.

The Multipette is the tool of choice when working with liquids that possess demanding physical properties like high viscosity, density or volatility.
With the Multipette/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.

**Multipette M4 benefits**
> 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


SelectScience Scientists' Choice Awards 2015 WINNER

reddot design award
winner 2013

**Precision for challenging liquids**
The Multipette M4 can precisely dispense even viscous, volatile, foaming and high-density liquids.

**Time saving**
The Multipette M4 helps to make long dispensing series easier, safer, and faster.

> Pipette even challenging liquids like an expert:
www.eppendorf.com/pipetting

# Multipette® E3/E3x

The Multipettes E3 and E3x make your everyday pipetting routines faster, easier and more precise. They combine the advantages of a positive displacement dispenser, time saving and precise handling of challenging liquids, with those of an electronic pipette. Even tough-to-handle liquids like cream can be dispensed in combination with the ViscoTip®.

**The Multipette E3 and E3x offer the same benefits as the M4.**

**Additional benefits of the Multipette 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 Multipette


| Feature | Multipette E3 | Multipette E3x |
|---|---|---|
| High speed aspiration and dispensing with motorized piston | ■ | ■ |
| Automatic Combitips advanced® tip recognition | ■ | ■ |
| One button tip ejection | ■ | ■ |
| Volume range from 1 µl to 50 ml | ■ | ■ |
| Li-ion battery | ■ | ■ |
| Illuminated display | ■ | ■ |
| Automatic dispensing | ■ | ■ |
| Pipetting | ■ | ■ |
| Dispensing | ■ | ■ |
| Aspirate (aspiration of supernatants) | | ■ |
| Titrate | | ■ |
| Sequential dispensing | | ■ |
| Combined aspiration and dispensing mode | | ■ |

> Multipette E3 and Multipette E3x are the experts for long series pipetting and liquids with demanding physical properties: www.eppendorf.com/multipette-system

# Combitips advanced®

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

**Combitips advanced benefits**

> 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 4 purity grades (Eppendorf Quality™, PCR clean, Eppendorf Biopur®, and Forensic DNA grade) you will always find the perfect Combitip for your application!

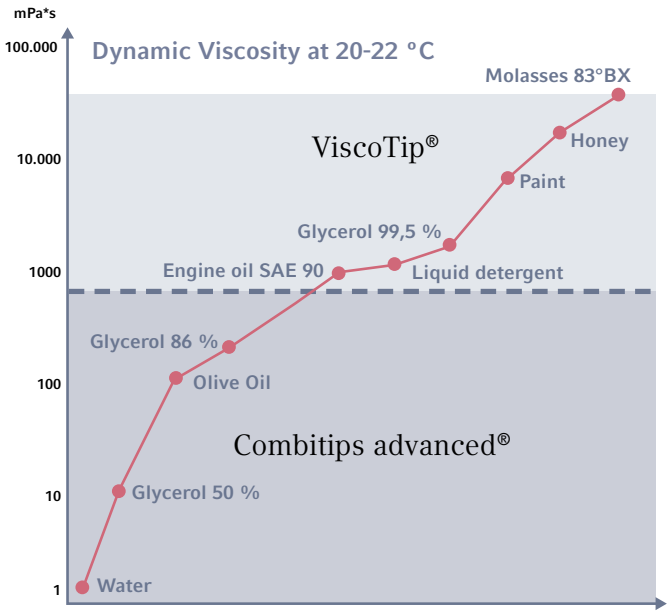
> Choose the optimal Combitip for your volume with the help of our Combitip selection guide: www.eppendorf.com/combitips-advanced

# ViscoTip®

Let it flow! The new Multipette consumable ViscoTip® is specialized on tough-to-handle liquids like cream. Therefore, ViscoTip naturally expands the broad range of applications for our often copied, never equaled Combitips advanced® / Multipette system. For fast, precise and safe liquid handling.


**ViscoTip benefits**

> Specialized for liquids with a dynamic viscosity from 200 mPa*s to 14,000 mPa*s
> For dispensing volumes from 100 µL to 10 mL in increments of 10 µL
> Significantly lower operation force, thus speeding up work and reducing energy consumption
> Automatic tip recognition and volume calculation
> Free of experiment-interfering leachables and slip agents




**Dynamic viscosity**

The ViscoTip is specifically designed and optimized for handling high viscosity liquids up to 14,000 mPa*s such as Glycerol 99.5%, Tween, oils, cremes, shampoos or honey. It sharply reduces operating forces while handling such liquids leading to enhanced ergonomics, increased working speed and longer charge life time of your Multipette battery.

eppendorf guaranteed quality

> Find more information on www.eppendorf.com/multipette-viscotip

# Easypet® 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.


reddot design award
winner 2013


# 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.

# Varipette® 4720

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

# Varispenser® 2/2x

Varispenser 2/2x are ideal for dispensing aliquots of liquid from supply bottles. Available in 6 sizes for 0.2–100 mL and fully autoclavable. Varispenser 2x has a recirculation valve which prevents reagent loss while ventilating.

# 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.

# The Future is Now! Connect your pipetting network

Who doesn't enjoy greater freedom and convenience when it comes to pipetting? Be ahead of the curve! Switch to connected electronic pipettes and boost your individual pipetting skills while bringing teamwork up to a new level.

> How quickly can you set your parameters?
> How accurate are your results?
> How do you work in teams when pipetting at the bench?

**Evolve your electronic pipette with the VisioNize® pipette manager**
Our system connects multiple electronic pipettes, thereby not only improving speed and accuracy for a single user, but across your entire lab. Easily convert your Eppendorf Xplorer® and Eppendorf Xplorer® plus electronic pipettes into a connected electronic pipette with the WiFi module.

Connect to the VisioNize pipette manager and take your pipetting to the next level.


**How does the VisioNize pipette manager system works?**


**1.** Convert Eppendorf Xplorer® and Xplorer® plus pipettes into connected electronic pipettes.

**2.** VisioNize pipette manager – External touch server establishes communication with connected electronic pipettes and tablets via WiFi technology.

**3.** Connect your tablet (Android and iOS) to work in parallel with other lab users.

> Check requirements under:
www.eppendorf.com/visionize-pipette-manager

# Eppendorf Pipette Holder System

Carousels, stands and wall mount devices: The Pipette Holder System is perfect for all users of handheld liquid handling instruments, who need a highly flexible system for their Eppendorf pipettes and Multipettes®.

To save precious bench-top space carousels carry both mechanical and electronic instruments.

reddot award 2018 winner

GERMAN DESIGN AWARD WINNER 2018

GOLDEN PIN DESIGN AWARD


Rotatable carousel holder in two variants to hold or hold and charge up to six instruments. High flexibility due to exchangeable adapters


Pipette stands as holder or including a charging function for single devices. High flexibility due to exchangeable adapter


Various holders for wall-mounting, installation on a shelf above the bench or inside biological safety cabinets

# ep*Motion*® 96 and ep*Motion*® 96xl

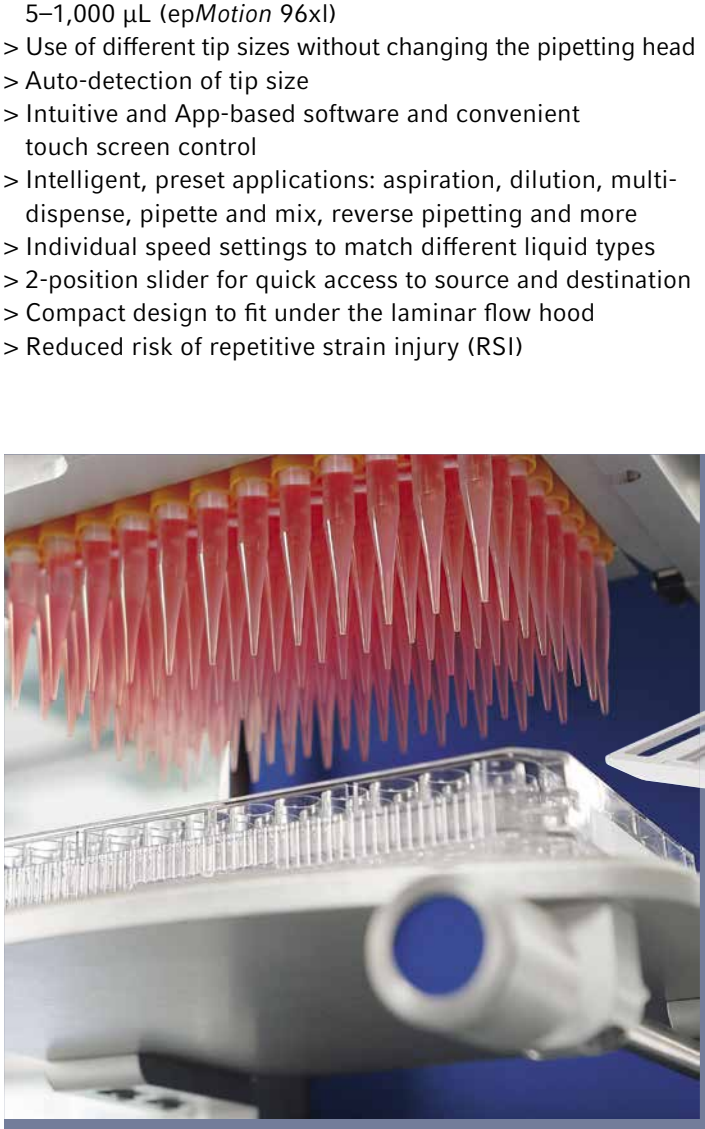
The Eppendorf ep*Motion* 96 is an easy to use bench top system for high precision pipetting in 96- and 384-well plates. As an affordable solution it overcomes the limits of manual multi-channel pipetting and will optimize your applications by faster and more precise simultaneous 96-well pipetting.

**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

**Features**

> Large volume range of 0.5–300 µL (ep*Motion* 96) or 5–1,000 µL (ep*Motion* 96xl)
> Use of different tip sizes without changing the pipetting head
> Auto-detection of tip size
> Intuitive and App-based software 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)




> Watch our video for easy operation of ep*Motion* 96 on our YouTube channel

# ep*Motion*® 5070

Our small member of the ep*Motion* family is the most compact solution for accurate and reproducible automated liquid handling. This makes the ep*Motion* 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 and tips
> Completely contained housing including door safety mechanism
> Option for EasyCon tablet or MultiCon PC controller by touch, mouse or keyboard, upgradable for barcode tracking and GLP software versions

*[1] Patent US 6,819,437 B2

**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


epMotion 5070 is your ideal partner for easy and reliable liquid handling, such as PCR, normalizations and serial dilutions.

# ep*Motion*® 5073

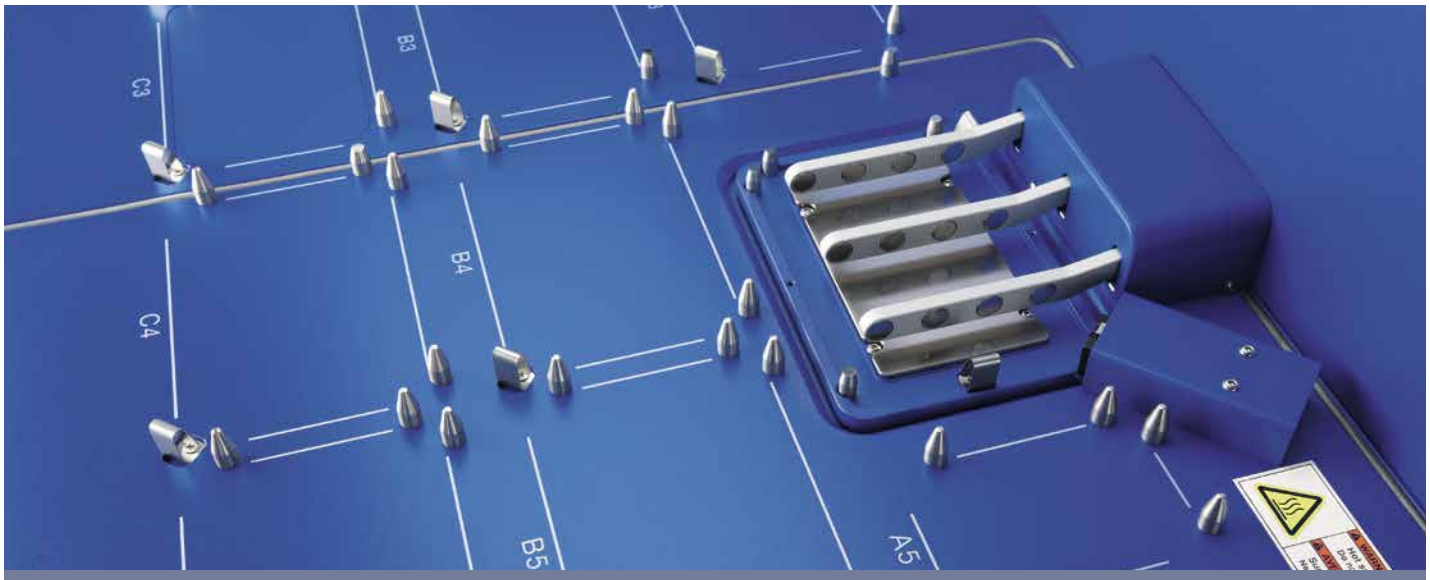
The midsize ep*Motion* 5073 is a flexible system for automating time-consuming and complex pipetting procedures. With its intuitive software, routine liquid handling tasks are easier than ever. The pipetting procedure is more precise, reproducible, and fully standardized, making your workplace more ergonomic 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
> NGS library preparation

GOOD DESIGN AWARD 2008

**Eppendorf MagSep™ 3D Technology**
Combination of magnetic finger module and Eppendorf ThermoMixer facilitates magnetic separation, mixing and temperature control in one location.



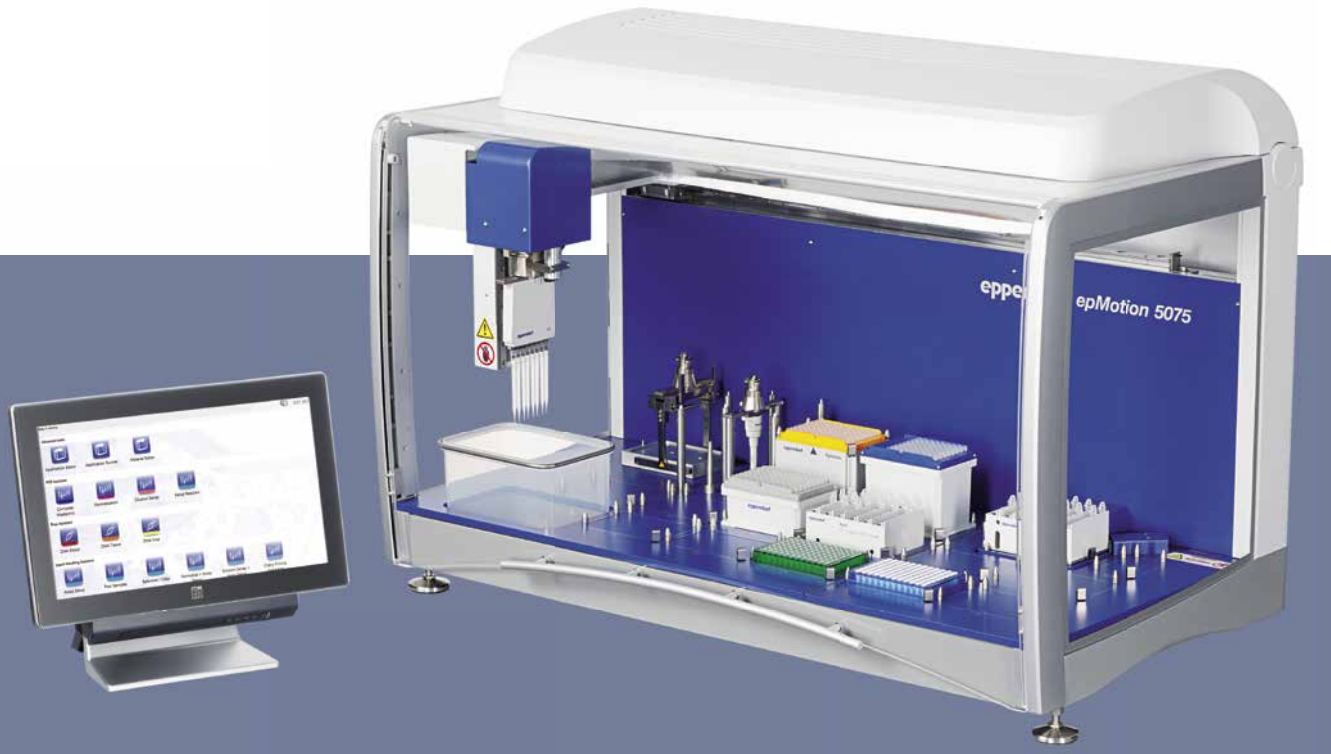

> Watch our video for flexible use of ep*Motion* 5073 on our YouTube channel

# ep*Motion*® 5075

With 12 to 15 worktable positions and many additional features the ep*Motion* 5075 versions have a higher application flexibility. The ep*Motion* 5075 is the ideal solution for advanced liquid handling demands. It offers the same outstanding accuracy and precision as ep*Motion* 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 User:**
The PhysioCare Concept guarantees an ergonomic design and an optimized product performance according to the needs of the individual.

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

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

> Further information: www.eppendorf.com/physiocare
> Have a look in our brochure with this QR Code!

# Supporting You – Eppendorf Services

epServices
for premium performance

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**
Pipettes are precision instruments with parts subject to normal wear and tear. This leads to imprecision over the time. Therefore, regular maintenance and calibration of your pipettes are fundamental to their proper function, precision, and accuracy. With our Pipette Performance Plans we offer certified calibration services for all pipettes – not only Eppendorf: from quick economical calibration to ISO 17025 accredited calibration services.

**Liquid Handling Training**
The operator's experience is also very important for achieving good pipetting results. In our most popular training you will learn about the principles of pipetting ergonomics, correct pipetting techniques, routine maintenance and pipette calibration.

**ep*Motion*® 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.

**ep*Motion*® Performance Plans**
Our qualified service technicians will take care of the maintenance of your ep*Motion*® 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

# 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 | 3123 000 012 |
| | | 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 | 3123 000 020 |
| | | 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 | 3123 000 098 |
| | | 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 | 3123 000 039 |
| | | 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 | 3123 000 047 |
| | | 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 | 3123 000 055 |
| | | 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 | 3123 000 101 |
| | | 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 | 3123 000 063 |
| | | 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 | 3123 000 144 |
| | | 1.25 mL | ±0.8% | ±0.01 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 | 3123 000 071 |
| | | 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 | 3123 000 080 |
| | | 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,** multi-channel, variable volume*[1]

| Volume range | Channels | Color code | Volume | | Systematic error*[2] | | Random error*[2] | |
|---|---|---|---|---|---|---|---|---|
| 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 |
| | | | 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 |
| | | | 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 |
| | | | 150 µL | | ±1.0% | ±1.5 µL | ±0.5% | ±0.75 µL |
| | | | 300 µL | | ±0.6% | ±1.8 µL | ±0.3% | ±0.9 µL |
| 50–1,200 µL | 8 -channel | dark green | 120 µL | | ±6.0% | ±7.2 µL | ±0.9% | ±1.08 µL |
| | | | 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 |
| 50–1,200 µL | 12-channel | dark green | 120 µL | | ±6.0% | ±7.2 µL | ±0.9% | ±1.08 µL |
| | | | 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 |
| 1–100 µL | 16-channel | light pink (for epT.I.P.S.® 384 20 µL) | 1–20 µL | 1 µL | ±12% | ±0.12 µL | ±8% | ±0.08 µL |
| | | | | 2 µL | ±8% | ±0.16 µL | ±5% | ±0.1 µL |
| | | | | 10 µL | ±4% | ±0.4 µL | ±2% | ±0.2 µL |
| | | | | 20 µL | ±2% | ±0.4 µL | ±1% | ±2.0 µL |
| | | light yellow (for epT.I.P.S.® 384 100 µL) | 5-100 µL | 5 µL | ±6% | ±0.3 µL | ±4% | ±0.2 µL |
| | | | | 10 µL | ±3% | ±0.3 µL | ±2% | ±0.2 µL |
| | | | | 50 µL | ±1.2% | ±0.6 µL | ±0.8% | ±0.4 µL |
| | | | | 100 µL | ±1% | ±1 µL | ±0.6% | ±0.6 µL |
| | 24-channel | light pink (for epT.I.P.S.® 384 20 µL) | 1–20 µL | 1 µL | ±12% | ±0.12 µL | ±8% | ±0.08 µL |
| | | | | 2 µL | ±8% | ±0.16 µL | ±5% | ±0.1 µL |
| | | | | 10 µL | ±4% | ±0.4 µL | ±2% | ±0.2 µL |
| | | | | 20 µL | ±2% | ±0.4 µL | ±1% | ±0.2 µL |
| | | light yellow (for epT.I.P.S.® 384 100 µL) | 5-100 µL | 5 µL | ±6% | ±0.3 µL | ±4% | ±0.2 µL |
| | | | | 10 µL | ±3% | ±0.3 µL | ±2% | ±0.2 µL |
| | | | | 50 µL | ±1.2% | ±0.6 µL | ±0.8% | ±0.4 µL |
| | | | | 100 µL | ±1% | ±1 µL | ±0.6% | ±0.6 µL |

*[1] Eppendorf Research® plus multi-channel variable volume pipettes include an epT.I.P.S.® box.

| For 96-well plates | | For 384-well plates | |
|---|---|---|---|
| **Order no. 8-channel** | **Order no. 12-channel** | **Order no. 16-channel** | **Order no. 24-channel** |
| **Cone distance** | | **Cone distance** | |
| 9 mm | 9 mm | 4.5 mm | 4.5 mm |
| 3125 000 010 | 3125 000 028 | – | – |
| 3125 000 036 | 3125 000 044 | – | – |
| 3125 000 052 | 3125 000 060 | – | – |
| 3125 000 214 | – | – | – |
| – | 3125 000 222 | – | – |
| – | – | 3125 000 079 | – |
| – | – | 3125 000 095 | – |
| – | – | – | 3125 000 087 |
| – | – | – | 3125 000 109 |

# Eppendorf Research® plus

**Eppendorf Research® plus,** single-channel, fixed volume

| Volume | Color code | Systematic error*1 | | Random error*1 | | Order no. |
|---|---|---|---|---|---|---|
| 10 µL | medium gray (for epT.I.P.S.® 20 µL) | ±1.2% | ±0.12 µL | ±0.6% | ±0.06 µL | 3124 000 016 |
| 20 µL | light gray (for epT.I.P.S.® 20 µL L) | ±0.8% | ±0.16 µL | ±0.3% | ±0.06 µL | 3124 000 032 |
| 10 µL | yellow (for epT.I.P.S.® 200 µL) | ±1.2% | ±0.12 µL | ±0.6% | ±0.06 µL | 3124 000 024 |
| 20 µL | | ±1.0% | ±0.2 µL | ±0.3% | ±0.06 µL | 3124 000 040 |
| 25 µL | | ±1.0% | ±0.25 µL | ±0.3% | ±0.08 µL | 3124 000 059 |
| 50 µL | | ±0.7% | ±0.35 µL | ±0.3% | ±0.15 µL | 3124 000 067 |
| 100 µL | | ±0.6% | ±0.6 µL | ±0.2% | ±0.2 µL | 3124 000 075 |
| 200 µL | | ±0.6% | ±1.2 µL | ±0.2% | ±0.4 µL | 3124 000 083 |
| 200 µL | blue (for epT.I.P.S.® 1,000 µL) | ±0.6% | ±1.2 µL | ±0.2% | ±0.4 µL | 3124 000 091 |
| 250 µL | | ±0.6% | ±1.5 µL | ±0.2% | ±0.5 µL | 3124 000 105 |
| 500 µL | | ±0.6% | ±3.0 µL | ±0.2% | ±1.0 µL | 3124 000 113 |
| 1 000 µL | | ±0.6% | ±6.0 µL | ±0.2% | ±2.0 µL | 3124 000 121 |

*1 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. |
|---|---|
| **Tip-Tub reagent reservoir**, autoclavable reservoir for aspirating liquids with multi-channel pipettes, 1 set = 10 reservoirs and 10 lids | 0030 058 607 |
| **Eppendorf TrackIT** | 3903 000 014 |

| **Eppendorf Research® plus 3-pack** including epT.I.P.S.® box and Eppendorf ballpoint pen | Order no. |
|---|---|
| **Option 1:** 0.5–10 µL, 10–100 µL, 100–1,000 µL | 3123 000 900 |
| **Option 2:** 2–20 µL yellow, 20–200 µL, 100–1,000 µL | 3123 000 918 |
| **Option 3:** 100–1,000 µL, 0.5–5 mL, 1–10 mL | 3123 000 926 |

# 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 | 4924 000 010 |
| | | 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 | 4924 000 029 |
| | | 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 | 4924 000 037 |
| | | 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 | 4924 000 045 |
| | | 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 | 4924 000 053 |
| | | 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 | 4924 000 061 |
| | | 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 | 4924 000 070 |
| | | 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 | 4924 000 088 |
| | | 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 | 4924 000 096 |
| | | 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 | 4924 000 100 |
| | | 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 | 4924 000 118 |
| | | 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 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.

| Accessories | Order no. |
|---|---|
| **Tip-Tub reagent reservoir**, autoclavable reservoir for aspirating liquids with multi-channel pipettes, 1 set = 10 reservoirs and 10 lids | 0030 058 607 |
| **Eppendorf TrackIT** | 3903 000 014 |

# Eppendorf Reference® 2

**Eppendorf Reference® 2, multi-channel,** variable volume*1

| Volume range | Color code | Volume | Systematic error*2 | | Systematic error*2 | | For 96-well plates: Order no. 8–channel | For 96-well plates: Order no. 12–channel |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Cone distance | |
| | | | | | | | 9 mm | 9 mm |
| 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 | 4926 000 018 | 4926 000 026 |
| | | 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 | 4926 000 034 | 4926 000 042 |
| | | 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 | 4926 000 050 | 4926 000 069 |
| | | 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 Reference® 2,** single-channel, fixed volume

| Volume | Color code | Systematic error*2 | | Random error*2 | | Order no. |
|---|---|---|---|---|---|---|
| 1 µL | dark gray (for epT.I.P.S.® 10 µL) | ±2.5% | ±0.025 µL | ±1.8% | ±0.018 µL | 4925 000 014 |
| 2 µL | | ±2.0% | ±0.04 µL | ±1.2% | ±0.024 µL | 4925 000 022 |
| 5 µL | medium gray (for epT.I.P.S.® 20 µL) | ±1.2% | ±0.06 µL | ±0.6% | ±0.03 µL | 4925 000 030 |
| 10 µL | | ±1.0% | ±0.1 µL | ±0.5% | ±0.05 µL | 4925 000 049 |
| 20 µL | light gray (for epT.I.P.S.® 20 µL L) | ±0.8% | ±0.16 µL | ±0.3% | ±0.06 µL | 4925 000 065 |
| 10 µL | yellow (for epT.I.P.S.® 200 µL) | ±1.2% | ±0.12 µL | ±0.6% | ±0.06 µL | 4925 000 057 |
| 20 µL | | ±1.0% | ±0.2 µL | ±0.3% | ±0.06 µL | 4925 000 073 |
| 25 µL | | ±1.0% | ±0.25 µL | ±0.3% | ±0.075 µL | 4925 000 081 |
| 50 µL | | ±0.7% | ±0.35 µL | ±0.3% | ±0.15 µL | 4925 000 090 |
| 100 µL | | ±0.6% | ±0.6 µL | ±0.2% | ±0.2 µL | 4925 000 103 |
| 200 µL | | ±0.6% | ±1.2 µL | ±0.2% | ±0.4 µL | 4925 000 111 |
| 200 µL | blue (for epT.I.P.S.® 1,000 µL) | ±0.6% | ±1.2 µL | ±0.2% | ±0.4 µL | 4925 000 120 |
| 250 µL | | ±0.6% | ±1.5 µL | ±0.2% | ±0.5 µL | 4925 000 138 |
| 500 µL | | ±0.6% | ±3.0 µL | ±0.2% | ±1.0 µL | 4925 000 146 |
| 1,000 µL | | ±0.6% | ±6.0 µL | ±0.2% | ±2.0 µL | 4925 000 154 |
| 2 mL | red (for epT.I.P.S.® 2.5 mL) | ±0.6% | ±0.012 mL | ±0.2% | ±0.004 mL | 4925 000 162 |
| 2.5 mL | | ±0.6% | ±0.015 mL | ±0.2% | ±0.005 mL | 4925 000 170 |

*1 All Eppendorf Reference® 2 multichannel variable volume pipettes include an epT.I.P.S.® box.
*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, 3-Pack**, incl. epT.I.P.S.® Box and Eppendorf ballpoint pen | Order no. |
|---|---|
| **Option 1:** 0,5–10 µL, 10–100 µL, 100–1,000 µL | 4924 000 908 |
| **Option 2:** 2–20 µL yellow, 20–200 µL, 100–1,000 µL | 4924 000 916 |
| **Option 3:** 100–1,000 µL, 0.5–5 mL, 1–10 mL | 4924 000 924 |

# 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 | 4861 000 015 |
| | | 5 µL | ±1.5 % | ±0.075 µL | ±0.8 % | ±0.04 µL | |
| | | 10 µL | ±1.0 % | ±0.1 µL | ±0.4 % | ±0.04 µL | |
| 1–20 µL | light gray (for epT.I.P.S.® 20 µL) | 2 µL | ±5.0 % | ±0.1 µL | ±1.5 % | ±0.03 µL | 4861 000 017 |
| | | 10 µL | ±1.2 % | ±0.12 µL | ±0.6 % | ±0.06 µL | |
| | | 20 µL | ±1.0 % | ±0.2 µL | ±0.3 % | ±0.06 µL | |
| 5–100 µL | yellow (for epT.I.P.S.® 200 µL) | 10 µL | ±2.0 % | ±0.2 µL | ±1.0 % | ±0.1 µL | 4861 000 023 |
| | | 50 µL | ±1.0 % | ±0.5 µL | ±0.3 % | ±0.15 µL | |
| | | 100 µL | ±0.8 % | ±0.8 µL | ±0.2 % | ±0.2 µL | |
| 10–200 µL | yellow (for epT.I.P.S.® 200 µL) | 20 µL | ±2.5 % | ±0.5 µL | ±0.7 % | ±0.14 µL | 4861 000 027 |
| | | 100 µL | ±1.0 % | ±1.0 µL | ±0.3 % | ±0.3 µL | |
| | | 200 µL | ±0.6 % | ±1.2 µL | ±0.2 % | ±0.4 µL | |
| 15–300 µL | orange (for epT.I.P.S.® 300 µL) | 30 µL | ±2.5 % | ±0.75 µL | ±0.7 % | ±0.21 µL | 4861 000 031 |
| | | 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 | 4861 000 040 |
| | | 500 µL | ±1.0 % | ±5 µL | ±0.2 % | ±1 µL | |
| | | 1,000 µL | ±0.6 % | ±6 µL | ±0.2 % | ±2 µL | |
| 0.125–2.5 mL | red (for epT.I.P.S.® 2.5 mL) | 250 µL | ±4.8 % | ±12 µL | ±1.2 % | ±3.0 µL | 4861 000 044 |
| | | 1,250 µL | ±0.8 % | ±10 µL | ±0.2 % | ±2.5 µL | |
| | | 2,500 µL | ±0.6 % | ±15 µL | ±0.2 % | ±5.0 µL | |
| 0.25–5 mL | purple (for epT.I.P.S.® 5 mL) | 500 µL | ±3.0 % | ±15 µL | ±0.6 % | ±3 µL | 4861 000 058 |
| | | 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 | 4861 000 066 |
| | | 5,000 µL | ±0.8 % | ±40 µL | ±0.2 % | ±10 µL | |
| | | 10,000 µL | ±0.6 % | ±60 µL | ±0.15 % | ±15 µL | |

**Eppendorf Xplorer®,** multi-channel, variable volume, incl. charger — **For 96-well plates**

| Volume range | Color code | Volume | Systematic error* | | Random error* | | Order no. 8-channel | Order no. 12-channel |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Cone distance | |
| | | | | | | | 9 mm | 9 mm |
| 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 | 4861 000 104 | 4861 000 112 |
| | | 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 | 4861 000 120 | 4861 000 139 |
| | | 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 | 4861 000 147 | 4861 000 155 |
| | | 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 | green (for epT.I.P.S.® 1,200 µL) | 120 µL | ±6.0 % | ±7.2 µL | ±0.9 % | ±1.08 µL | 4861 000 163 | 4861 000 171 |
| | | 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 | 4861 000 708 |
| | | 5 µL | ±1.5 % | ±0.075 µL | ±0.8 % | ±0.04 µL | |
| | | 10 µL | ±1.0 % | ±0.1 µL | ±0.4 % | ±0.04 µL | |
| 1–20 µL | light gray (for epT.I.P.S.® 20 µL) | 2 µL | ±5.0 % | ±0.1 µL | ±1.5 % | ±0.03 µL | 4861 000 710 |
| | | 10 µL | ±1.2 % | ±0.12 µL | ±0.6 % | ±0.06 µL | |
| | | 20 µL | ±1.0 % | ±0.2 µL | ±0.3 % | ±0.06 µL | |
| 5–100 µL | yellow (for epT.I.P.S.® 200 µL) | 10 µL | ±2.0 % | ±0.2 µL | ±1.0 % | ±0.1 µL | 4861 000 716 |
| | | 50 µL | ±1.0 % | ±0.5 µL | ±0.3 % | ±0.15 µL | |
| | | 100 µL | ±0.8 % | ±0.8 µL | ±0.2 % | ±0.2 µL | |
| 10–200 µL | yellow (for epT.I.P.S.® 200 µL) | 20 µL | ±2.5 % | ±0.5 µL | ±0.7 % | ±0.14 µL | 4861 000 720 |
| | | 100 µL | ±1.0 % | ±1.0 µL | ±0.3 % | ±0.3 µL | |
| | | 200 µL | ±0.6 % | ±1.2 µL | ±0.2 % | ±0.4 µL | |
| 15–300 µL | orange (for epT.I.P.S.® 300 µL) | 30 µL | ±2.5 % | ±0.75 µL | ±0.7 % | ±0.21 µL | 4861 000 724 |
| | | 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 | 4861 000 732 |
| | | 500 µL | ±1.0 % | ±5 µL | ±0.2 % | ±1 µL | |
| | | 1,000 µL | ±0.6 % | ±6 µL | ±0.2 % | ±2 µL | |
| 0.125–2.5 mL | red (for epT.I.P.S.® 2.5 mL) | 250 µL | ±4.8 % | ±12 µL | ±1.2 % | ±3.0 µL | 4861 000 736 |
| | | 1,250 µL | ±0.8 % | ±10 µL | ±0.2 % | ±2.5 µL | |
| | | 2,500 µL | ±0.6 % | ±15 µL | ±0.2 % | ±5.0 µL | |
| 0.25–5 mL | purple (for epT.I.P.S.® 5 mL) | 500 µL | ±3.0 % | ±15 µL | ±0.6 % | ±3 µL | 4861 000 740 |
| | | 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 | 4861 000 759 |
| | | 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,** 8/12-channel, variable volume, incl. charger

| Volume range | Color code | Volume | Systematic error* | | Random error* | | Order no. 8-channel | Order no. 12-channel |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Cone distance | |
| | | | | | | | 9 mm | 9 mm |
| 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 | 4861 000 767 | 4861 000 775 |
| | | 5 µL | ±3.0 % | ±0.15 µL | ±1.5 % | ±0.075 µ | | |
| | | 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 | 4861 000 783 | 4861 000 791 |
| | | 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 | 4861 000 805 | 4861 000 813 |
| | | 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 | green (for epT.I.P.S.® 1,200 µL) | 120 µL | ±6.0 % | ±7.2 µL | ±0.9 % | ±1.08 µL | 4861 000 821 | 4861 000 830 |
| | | 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,** 16-/24-channel, variable volume, incl. charger for 384-well plates

| Volume range | Channels | Color code | Volume | Systematic error* | | Random error* | | Order no. 16-channel | Order no. 24-channel |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Cone distance | |
| | | | | | | | | 4.5 mm | 4.5 mm |
| 1–20 µL | 16 | light pink (for epT.I.P.S.® 384 20 µL) | 2 µL | ±8.0 % | ±0.16 µL | ±5.0 % | ±0.1 µL | 4861 000 778 | – |
| | | | 10 µL | ±4.0 % | ±0.4 µL | ±2.0 % | ±0.2 µL | | |
| | | | 20 µL | ±2.0 % | ±0.4 µL | ±1.0 % | ±0.2 µL | | |
| 5–100 µL | 16 | light yellow (for epT.I.P.S.® 384 100 µL) | 10 µL | ±3.0 % | ±0.3 µL | ±2.0 % | ±0.2 µL | 4861 000 792 | – |
| | | | 50 µL | ±1.2 % | ±0.6 µL | ±1.0 % | ±0.4 µL | | |
| | | | 100 µL | ±1.0 % | ±1.0 µL | ±0.6 % | ±0.6 µL | | |
| 1–20 µL | 24 | light pink (for epT.I.P.S.® 384 20 µL) | 2 µL | ±8.0 % | ±0.16 µL | ±5.0 % | ±0.1 µL | – | 4861 000 779 |
| | | | 10 µL | ±4.0 % | ±0.4 µL | ±2.0 % | ±0.2 µL | | |
| | | | 20 µL | ±2.0 % | ±0.4 µL | ±1.0 % | ±0.2 µL | | |
| 5–100 µL | 24 | light yellow (for epT.I.P.S.® 384 100 µL) | 10 µL | ±3.0 % | ±0.3 µL | ±2.0 % | ±0.2 µL | – | 4861 000 793 |
| | | | 50 µL | ±1.2 % | ±0.6 µL | ±0.8 % | ±0.4 µL | | |
| | | | 100 µL | ±1.0 % | ±1.0 µL | ±0.6 % | ±0.6 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.

# VisioNize® pipette manager

| Description | Order no. |
|---|---|
| **VisioNize® pipette manager,** an external touch server enabling communication with connected electronic pipettes | 1004 000 001 |
| **Eppendorf Xplorer® connect,** WiFi module incl. battery for Eppendorf Xplorer | 4861 000 970 |

**Note:** The VisioNize pipette manager is not available worldwide. Please contact your Eppendorf Sales Representative for more information.

# Eppendorf Move It®

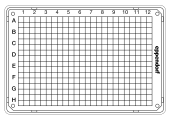
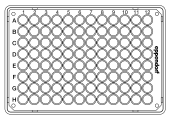
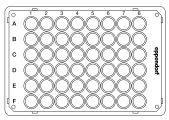
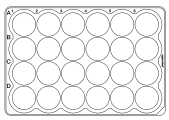
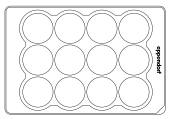
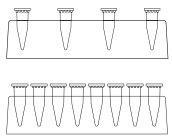
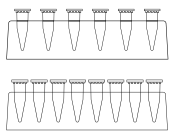
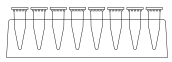
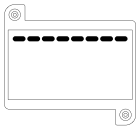
**Eppendorf Research® plus Move It®,**
mechanical, multi-channel, variable volume

| No. of channels | Volume | Color code | Order no. |
|---|---|---|---|
| 4-channel | 30–300 µL | orange | 3125 000 150 |
| | 120–1,200 µL | dark green | 3125 000 184 |
| 6-channel | 30–300 µL | orange | 3125 000 168 |
| | 120–1,200 µL | dark green | 3125 000 192 |
| 8-channel | 1–20 µL | light pink | 3125 000 117 |
| | 5–100 µL | light yellow | 3125 000 133 |
| | 30–300 µL | orange | 3125 000 176 |
| | 120–1,200 µL | dark green | 3125 000 206 |
| 12-channel | 1–20 µL | light pink | 3125 000 125 |
| | 5–100 µL | light yellow | 3125 000 141 |

**Eppendorf Xplorer® plus Move It®,**
electronic, multi-channel, variable volume, incl. charger

| No. of channels | Volume | Color code | Order no. |
|---|---|---|---|
| 4-channel | 15–300 µL | orange | 4861 000 816 |
| | 50–1,200 µL | green | 4861 000 833 |
| 6-channel | 15–300 µL | orange | 4861 000 817 |
| | 50–1,200 µL | green | 4861 000 834 |
| 8-channel | 1–20 µL | light pink | 4861 000 781 |
| | 5–100 µL | light yellow | 4861 000 794 |
| | 15–300 µL | orange | 4861 000 818 |
| | 50–1,200 µL | green | 4861 000 835 |
| 12-channel | 1–20 µL | light pink | 4861 000 782 |
| | 5–100 µL | light yellow | 4861 000 795 |

**All models available as electronic Xplorer plus and mechanical Research plus.**

| Vessel Format | Type of tips | epT.I.P.S.® | | | epT.I.P.S.® 384 | |
|---|---|---|---|---|---|---|
| | **Pipette**<br>Electronic<br>Mechanical | Eppendorf Xplorer® plus,<br>Eppendorf Research® plus | | | Eppendorf Xplorer® plus,<br>Eppendorf Research® plus | |
| | **No. of channels** | **4** | **6** | **8** | **8** | **12** |
| | **Volume (µL)** | 300 / 1,200 | 300 / 1,200 | 300 / 1,200 | 20 / 100 | 20 / 100 |
| | **Tip distance (mm)** | 9–33 | 9–20 | 9–14 | 4.5–14 | 4.5–9 |
|  | **384 Wells**<br>(Tip distance 4.5 mm) | – | – | – | ■ | ■ |
|  | **96 Wells**<br>(Tip distance 9 mm) | ■ | ■ | ■ | ■ | ■ |
|  | **48 Wells**<br>(Tip distance 13 mm) | ■ | ■ | ■ | ■ | – |
|  | **24 Wells**<br>(Tip distance 19 mm) | ■ | ■ | – | – | – |
|  | **12 Wells**<br>(Tip distance 26 mm) | ■ | – | – | – | – |
|  | **1.5 / 2.0 / 5.0 mL Tube**<br>(Tip distance min. – max.:<br>9 mm – 33 mm) | ■ | | | | – |
|  | **1.5 / 2.0 / 5.0 mL Tube**<br>(Tip distance min. – max.:<br>9 mm – 20 mm) | | ■ | | | – |
|  | **1.5 / 2.0 / 5.0 mL Tube**<br>(Tip distance min. – max.:<br>9 mm – 14 mm<br>4.5 mm – 14 mm) | | | ■ | ■ | – |
|  | **Agarose gel** | ■* | ■* | ■* | ■ | ■ |

* Limited suitability due to volume and size of tips

# Easypet® 3

| Description | Order no. |
|---|---|
| **Easypet® 3,** incl. power supply and Lithium-polymer rechargeable battery, wall mount, shelf stand, and two membrane filters (unsterile) 0.45 µm | 4430 000 018 |
| **Membrane filter,** sterile, 0.45 µm, set of 5 | 4421 601 009 |
| **Membrane filter,** sterile, 0.2 µm, pack of 5 | 4430 606 005 |
| **Lithium-polymer rechargeable battery** for Easypet® 3 | 4430 605 009 |
| **Pipette Holder,** for one Eppendorf Easypet® 3, for wall mounting, sticky tape included | 4430 604 002 |

# Eppendorf Pipette Holder System

| Description | Order No. |
|---|---|
| **Pipette Carousel 2,** for 6 Eppendorf Research®, Eppendorf Research® plus, Eppendorf Reference®, Eppendorf Reference® 2 or Biomaster®, additional pipette holders are optionally available | 3116 000 015 |
| **Charger Carousel 2,** for 6 Eppendorf Xplorer® or Eppendorf Xplorer® plus, mains/power adapter included, additional charger shells and pipette holders are optionally available | 3116 000 023 |
| **Charger Stand 2,** for one Eppendorf Xplorer® or Eppendorf Xplorer® plus, operated with mains/power adapter supplied with Eppendorf Xplorer® or Eppendorf Xplorer® plus | 3116 000 031 |
| **Charger Stand 2,** for one Eppendorf Multipette® E3/E3x or Multipette® stream/Xstream, operated with mains/power adapter supplied with Eppendorf Multipette® E3/E3x or Multipette® stream/Xstream | 3116 000 040 |
| **Pipette Stand 2,** for one Eppendorf Multipette® M4, without charging functionality, additional pipette holders are optionally available | 3116 000 058 |
| **Pipette Holder 2,** for one Eppendorf Research®, Eppendorf Research® plus, Eppendorf Reference®, Eppendorf Reference® 2 or Biomaster®, for Pipette Carousel 2 and Charger Carousel 2 or wall mounting, sticky tape included | 3116 000 112 |
| **Pipette Holder 2,** for one Eppendorf Xplorer® or Eppendorf Xplorer® plus, for Pipette Carousel 2 or wall mounting, sticky tape included, without charging functionality | 3116 000 120 |
| **Pipette Holder 2,** for one Eppendorf Multipette® E3/E3x or Multipette® stream/Xstream, for Pipette Carousel 2 or wall mounting, sticky tape included, without charging functionality | 3116 000 139 |
| **Pipette Holder 2,** for one Eppendorf Multipette® M4, for Pipette Carousel 2 and Charger Carousel 2 or wall mounting, sticky tape included, without charging functionality | 3116 000 147 |
| **Charger Shell 2,** for one Eppendorf Xplorer® or Eppendorf Xplorer® plus, for Charger Carousel 2, with charging functionality | 3116 602 007 |
| **Charger Shell 2,** for one Eppendorf Multipette® E3/E3x or Multipette® stream/Xstream, for Charger Carousel 2, with charging functionality | 3116 603 003 |

# Pipet Helper®

| Description | Order no. |
|---|---|
| **Pipet Helper®,** 0.1–100 mL | 4423 000 010 |
| **Membrane filter,** for Pipet Helper®, 3 µm, not sterile, (pack of 10) | 4423 601 014 |

# Multipette® M4

| Description | Order no. |
|---|---|
| **Multipette® M4** incl. holder (for wall and/or pipette carousel) | 4982 000 012 |
| **Multipette® M4 Starter Kit,** Multipette® M4, incl. holder Combitip Rack, Combitip assortment pack | 4982 000 314 |

# Multipette® E3/E3x

| Description | Order no. |
|---|---|
| **Multipette® E3** with charging adapter and 2 Combitips advanced® assortment pack | 4987 000 010 |
| **Multipette® E3** with charger stand, 2 Combitips advanced® assortment pack, and charging stand | 4987 000 371 |
| **Multipette® E3x** with charging adapter and 2 Combitips advanced® assortment pack | 4987 000 029 |
| **Multipette® E3x** with charger stand, 2 Combitips advanced® assortment pack, and charging stand | 4987 000 380 |

# Combitips advanced®

| Volume | Color code | Order no. Eppendorf Quality box of 100 pcs. (4 bags x 25 pcs.) | Order no. PCR clean*1 box of 100 pcs., 4 bags (zip-lock) x 25 pcs. | Order no. Eppendorf Biopur®*2 box of 100 pcs. (individually wrapped) | Order no. Forensic DNA Grade box of 100 pcs. (individually wrapped) |
|---|---|---|---|---|---|
| 0.1 mL | White | 0030 089 405 | 0030 089 766 | 0030 089 618 | – |
| 0.2 mL | Light blue | 0030 089 413 | 0030 089 774 | 0030 089 626 | – |
| 0.5 mL | Purple | 0030 089 421 | 0030 089 782 | 0030 089 634 | – |
| 1 mL | Yellow | 0030 089 430 | 0030 089 790 | 0030 089 642 | 0030 089 855 |
| 2.5 mL | Green | 0030 089 448 | 0030 089 804 | 0030 089 650 | 0030 089 863 |
| 5 mL | Blue | 0030 089 456 | 0030 089 812 | 0030 089 669 | 0030 089 871 |
| 10 mL | Orange | 0030 089 464 | 0030 089 820 | 0030 089 677 | – |
| 25 mL*3 | Red | 0030 089 472 | 0030 089 839 | 0030 089 685 | – |
| 50 mL*3 | Light gray | 0030 089 480 | 0030 089 847 | 0030 089 693 | – |
| **ViscoTip®** | | | | | |
| 10 mL | Orange | 0030 089 936 | – | – | – |
| **Accessories** | | | | | |
| 25 mL adapter (1 pc.) | Red | 0030 089 715 | | | |
| 25 mL adapter (7 pcs.) | Red | | | 0030 089 731 | |
| 50 mL adapter (1 pc.) | Light gray | 0030 089 723 | | | |
| 50 mL adapter (7 pcs.) | Light gray | | | 0030 089 740 | |
| Combitip Rack (for 8 Combitips advanced®, 0.1 mL–10 mL) | | 0030 089 758 | | | |
| Combitips advanced® Assortment pack (1 Combitip of each size, incl. adapters) | | 0030 089 936 | | | |

*1 PCR clean: batch tested and certified to be free of: human DNA, DNase, RNase, PCR inhibitors
*2 Eppendorf Biopur®: batch tested and certified to be sterile and free of: human and bacterial DNA, DNase, RNase, PCR inhibitors, ATP, pyrogen
*3 4 boxes of 25 pcs. each. Each box contains an adapter.

# Varipette® 4720

| Description | Order no. |
|---|---|
| **Eppendorf Varipette® 4720,** with continuous volume selection in the 1–10 mL range | 4720 000 011 |
| **Eppendorf Varitips® S Starter Kit,** consisting of 100 Maxitips, 10 dispensing parts, 10 valves | 0030 050 525 |
| **Eppendorf Varitips® P,** to remove liquid from smaller vessels, 100 pieces | 0030 048 130 |
| **Eppendorf Varitips® S dispensing part,** 30 pieces | 0030 050 533 |
| **Eppendorf Varitips® S,** graduated, 200 pieces | 0030 050 568 |
| **Eppendorf Varitips® S valve,** 100 pieces | 0030 050 541 |

# Varispenser® 2/2x

| Volume | Thread | Thread adapter incl. | Order no. |
|---|---|---|---|
| **Varispenser® 2** | | | |
| 0.2–2 mL | GL 45 | GL 25, GL 28/ S 28, GL 32, GL 38, S 40 | 4966 000 010 |
| 0.5–5 mL | GL 45 | GL 25, GL 28/ S 28, GL 32, GL 38, S 40 | 4966 000 029 |
| 1–10 mL | GL 45 | GL 25, GL 28/ S 28, GL 32, GL 38, S 40 | 4966 000 037 |
| 2.5–25 mL | GL 45 | GL 32, GL 38, S 40 | 4966 000 045 |
| 5–50 mL | GL 45 | GL 32, GL 38, S 40 | 4966 000 053 |
| 10–100 mL | GL 45 | GL 32, GL 38, S 40 | 4966 000 061 |
| **Varispenser® 2x** | | | |
| 0.2–2 mL | GL 45 | GL 25, GL 28/ S 28, GL 32, GL 38, S 40 | 4967 000 014 |
| 0.5–5 mL | GL 45 | GL 25, GL 28/ S 28, GL 32, GL 38, S 40 | 4967 000 022 |
| 1–10 mL | GL 45 | GL 25, GL 28/ S 28, GL 32, GL 38, S 40 | 4967 000 030 |
| 2.5–25 mL | GL 45 | GL 32, GL 38, S 40 | 4967 000 049 |
| 5–50 mL | GL 45 | GL 32, GL 38, S 40 | 4967 000 057 |
| 10–100 mL | GL 45 | GL 32, GL 38, S 40 | 4967 000 065 |

# Eppendorf Top Buret™

| Description | Volume | With three adapters for outer diameter (mm) | Order no. |
|---|---|---|---|
| **Eppendorf Top Buret™ M** | 2.5 mL per rotation | 32, 38, 40 | 4965 000 017 |
| **Eppendorf Top Buret™ H** | 5.0 mL per rotation | 32, 38, 40 | 4965 000 025 |
| **Dry tube** | | | 4960 851 000 |

# ep*Motion*®

| Description | Order no. |
|---|---|
| **ep*Motion*® 96,** semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 100–240 V ±10 %/50–60 Hz ±5 %, 0.5–300 µL | 5069 000 012 |
| **ep*Motion*® 96, with 2-position slider**, semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 100–240 V ±10 %/50–60 Hz ±5 %, 0.5–300 µL | 5069 000 110 |
| **ep*Motion*® 96xl,** semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 5–1,000 µL | 5069 000 217 |
| **ep*Motion*® 96xl, with 2-position slider**, semi-automated electronic pipette for parallel 96 channel microplate processing (without iPod® controller), 5–1,000 µL | 5069 000 314 |
| **ep*Motion*® 5070 EasyCon,** completely contained housing, system incl. Eppendorf EasyCon, epBlue™ software and LH assistant, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5070 006 032 |
| **ep*Motion*® 5070 MultiCon,** completely contained housing, system incl. Eppendorf MultiCon, epBlue™ software and LH assistant, keyboard, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5070 000 282 |
| **ep*Motion*® 5073l EasyCon,** completely contained housing system incl. Eppendorf EasyCon, epBlue™ software and LH assistant, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5073 000 582 |
| **ep*Motion*® 5073l MultiCon,** completely contained housing system incl. Eppendorf MultiCon, epBlue™ software and LH assistant, keyboard, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5073 000 590 |
| **ep*Motion*® 5073lc EasyCon,** CleanCap, system incl. Eppendorf EasyCon, epBlue™ software and LH assistant, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5073 000 604 |
| **ep*Motion*® 5073lc MultiCon,** CleanCap, system incl. Eppendorf MultiCon, epBlue™ software and LH assistant, keyboard, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5073 000 612 |
| **ep*Motion*® 5073m EasyCon,** completely contained housing, system incl. Eppendorf EasyCon, MagSep module, Eppendorf ThermoMixer®, epBlue™ software and Prep assistant, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5073 000 787 |
| **ep*Motion*® 5073m MultiCon,** completely contained housing, system incl. Eppendorf MultiCon, MagSep module, Eppendorf ThermoMixer®, epBlue™ software and Prep assistant, keyboard, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5073 000 795 |
| **ep*Motion*® 5073m EasyCon NGS solution,** includes EasyCon and integrated ThermoMixer, Enhanced feature set 1 software upgrade, dispensing tools (TS 50, TS 300, TM 300-8), NGS specific accessories, NGS specific consumables, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5073000930 |
| **ep*Motion*® 5073m MultiCon NGS solution,** includes EasyCon and integrated ThermoMixer, Enhanced feature set 1 software upgrade, dispensing tools (TS 50, TS 300, TM 300-8), NGS specific accessories, NGS specific consumables, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5073000949 |
| **ep*Motion*® 5073mc EasyCon,** CleanCap, system incl. Eppendorf EasyCon, MagSep module, Eppendorf ThermoMixer®, CleanCap, epBlue™ software and Prep assistant, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5073 000 809 |
| **ep*Motion*® 5073mc MultiCon,** CleanCap, system incl. Eppendorf MultiCon, MagSep module, Eppendorf ThermoMixer®, CleanCap, epBlue™ software and Prep assistant, keyboard, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5073 000 817 |
| **ep*Motion*® 5073mc EasyCon NGS solution,** includes EasyCon and integrated ThermoMixer with CleanCap, Enhanced feature set 1 software upgrade, dispensing tools (TS 50, TS 300, TM 300-8), NGS specific accessories, NGS specific consumables, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5073000957 |
| **ep*Motion*® 5073mc MultiCon NGS solution,** includes EasyCon and integrated ThermoMixer with CleanCap, Enhanced feature set 1 software upgrade, dispensing tools (TS 50, TS 300, TM 300-8), NGS specific accessories, NGS specific consumables, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5073000965 |
| **ep*Motion*® 5075l,** basic device incl. epBlue™ software, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5075 000 301 |
| **ep*Motion*® 5075l with CleanCap,** 100–240 V ±10 %/50–60 Hz ±5 %, incl. MultiCon all-in-one PC, epBlue™ software, LH Assistant, keyboard, mouse and waste box | on request |
| **ep*Motion*® 5075v,** basic device incl. vacuum system, gripper, vac frame 2, vac frame holder, epBlue™ software, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5075 000 303 |
| **ep*Motion*® 5075v with CleanCap,** with integrated vacuum system, 100–240 V ±10 %/50–60 Hz ±5 %, incl. MultiCon all-in-one PC, epBlue™ software, keyboard, mouse, gripper, Vac Frame 2, Vac Frame holder and waste box | on request |

> For accessories, consumables, upgrade options, and service products please visit www.eppendorf.com.

| Description | Order no. |
|---|---|
| **ep*Motion*® 5075t,** basic device incl. Eppendorf ThermoMixer®, epBlue™ software, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5075 000 302 |
| **ep*Motion*® 5075t with CleanCap,** with integrated ThermoMixer, 100–240 V ±10 %/50–60 Hz ±5 %, incl. MultiCon all-in-one PC, epBlue™ software, keyboard, mouse and waste box | on request |
| **ep*Motion*® 5075t NGS solution,** package with completely contained housing, MultiCon PC, Enhanced feature set 1, C2 thermal module, dispensing tools, plus NGS specific accessories, plus NGS specific consumables to start automated library preparation, 100–240 V ±10 %/50–60 Hz ±5 % | 5075000962 |
| **ep*Motion*® 5075tc NGS solution,** package with CleanCap, MultiCon PC, Enhanced feature set 1, C2 thermal module, dispensing tools, plus NGS specific accessories, plus NGS specific consumables to start automated library preparation, 100–240 V ±10 %/50–60 Hz ±5 % | 5075000963 |
| **ep*Motion*® 5075vt,** basic device incl. vacuum system, gripper, vac frame 2, vac frame holder, Eppendorf ThermoMixer®, epBlue™ software, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5075 000 304 |
| **ep*Motion*® 5075vt with CleanCap,** with integrated vacuum system and ThermoMixer, 100–240 V ±10 %/50–60 Hz ±5 %, incl. MultiCon all-in-one PC, epBlue software, keyboard, mouse, gripper, Vac Frame 2, Vac Frame holder and waste box | on request |
| **ep*Motion*® 5075m,** basic device incl. Eppendorf MagSep™ module, Eppendorf ThermoMixer®, epBlue™ software, mouse, waste box, 100–240 V ±10 %/50–60 Hz ±5 %, 0.2 µL–1 mL | 5075 000 305 |
| **ep*Motion*® 5075m with CleanCap,** with integrated ThermoMixer and MagSep module, 100–240 V ±10 %/50–60 Hz ±5 %, incl. MultiCon all-in-one PC, epBlue™ software, PREP Assistant, PCR Assistant, keyboard, mouse and waste box | on request |

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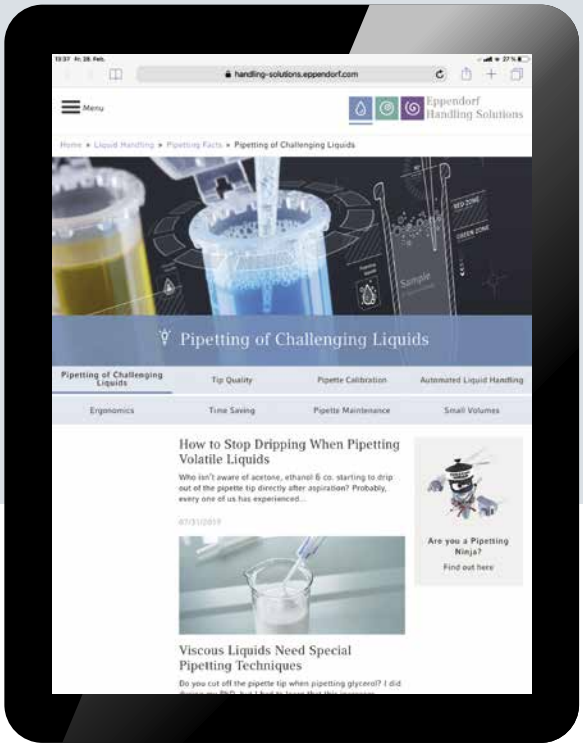


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