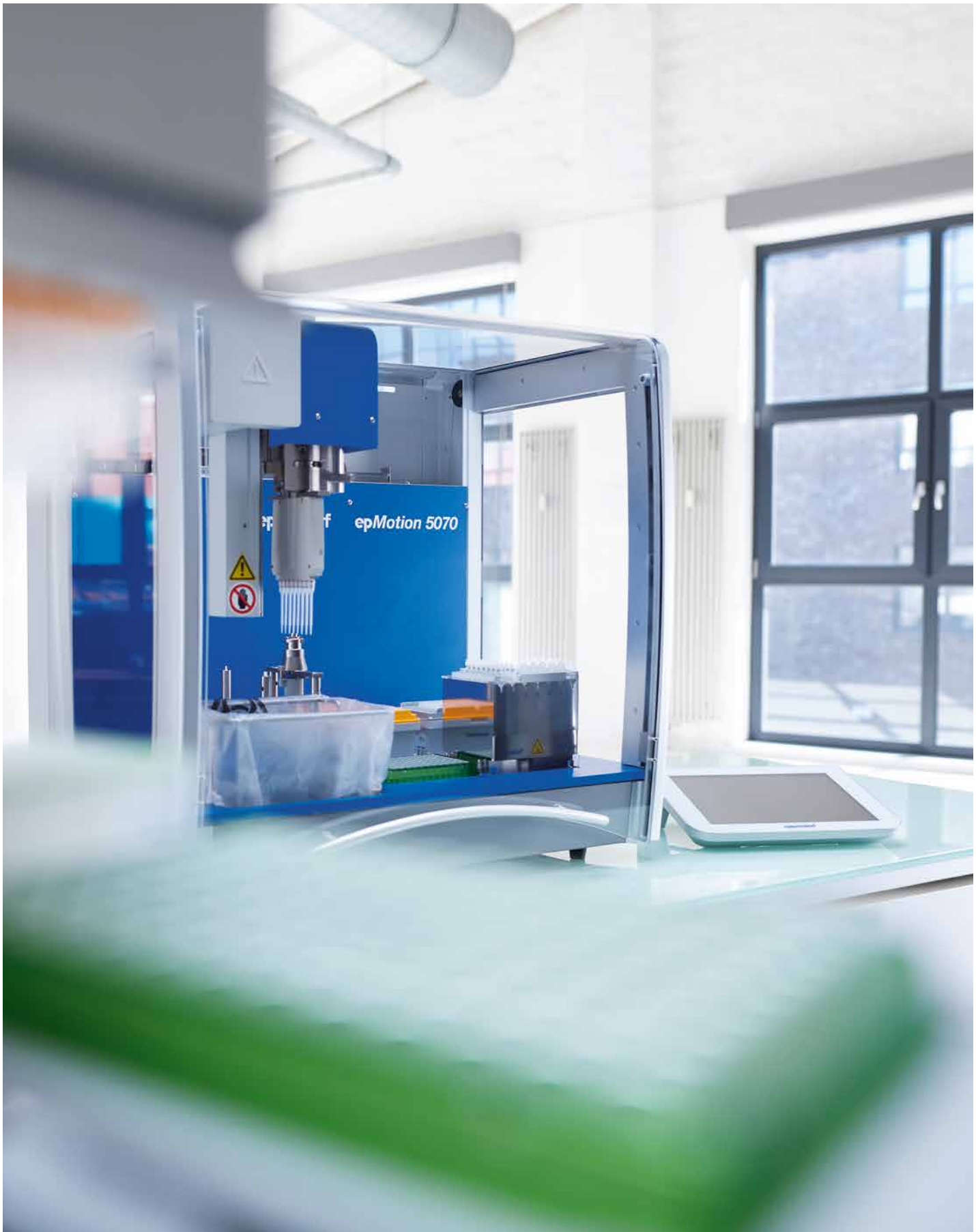
eppendorf

Including EU CE/IVD Products



Natural Winners

You give your all to scientific research every day
Our tools help you grow beyond your limits


epMotion 5070

»Global Research, Eppendorf Engineering.«

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

Eppendorf Liquid Handling Instruments
As the inventor of the microliter system, we at Eppendorf have about 60 years of experience in precise manual and automatic pipetting/dispensing, and transferring of the smallest quantities of liquids.

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 8 for more information

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

PhysioCare concept

> See page 27 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 33 for more information

Selection Guide

Air-cushion principle

					
Model	**Eppendorf Research® plus**	**Eppendorf Reference® 2**	**Eppendorf Xplorer®/Xplorer® plus**	**Eppendorf Research® plus/Xplorer® plus Move It®**	**Eppendorf Easypet® 3**
Application	Pipetting of aqueous liquids	Pipetting of aqueous liquids	Pipetting of aqueous liquids	Pipetting of aqueous liquids	Pipetting of aqueous liquids with serological and volumetric pipettes
Product type	Pipette	Pipette	Pipette	Pipette	Pipette controller
Operation	Mechanical, separate control button and ejector	Mechanical, combined control button and ejector	Electronic, separate control button and ejector	Mechanical/electronic, separate control button and ejector	Electronic
Pipetting type	Air-cushion	Air-cushion	Air-cushion	Air-cushion	Air-cushion
Adjustable cone spacing	No	No	No	Yes	No
Positioning	Ultra light weight and pipetting force for ultimate ergonomics	Reliability in robustness and results	Intuitive and fast pipetting	Double your performance when transferring multiple samples between changing formats	Overall ergonomic concept with new speed control for stress-free pipetting
Volume range	0.1 µL–10 mL	0.1 µL–10 mL	0.5 µL–10 mL	1–1,200 µL	0.1–100 mL
Available options	1-channel 8-channel 12-channel 16-channel NEW 24-channel NEW	1-channel 8-channel 12-channel	1-channel 8-channel 12-channel 16-channel NEW 24-channel NEW	4-channel (9-33 mm) 6-channel (9-20 mm) 8-channel (9-14 mm) 8-channel (4.5–14 mm) 12-channel (4.5-9 mm)	1-channel
RFID tracking	Yes (read option)	Yes (read & write option)	Yes (read & write option)	Yes (read & write option)	Yes (read option)
Autoclavable	Yes	Yes	Yes (lower part)	Yes (Xplorer plus only lower part)	Yes (pipette adapter and aspirating cone)
Consumables	epT.I.P.S.® and other pipette tips	epT.I.P.S.® and other pipette tips	epT.I.P.S.® and other pipette tips	epT.I.P.S.® and other pipette tips NEW: epT.I.P.S. 384	Eppendorf Serological Pipets and other volumetric and serological pipettes
Purity grades of consumables	> Eppendorf Quality™ > PCR clean & sterile > Eppendorf Biopur® > Forensic DNA Grade	> Eppendorf Quality™ > PCR clean & sterile > Eppendorf Biopur® > Forensic DNA Grade	> Eppendorf Quality™ > PCR clean & sterile > Eppendorf Biopur® > Forensic DNA Grade	> Eppendorf Quality™ > PCR clean & sterile > Eppendorf Biopur® > Forensic DNA Grade	> Sterile > Free of detectable RNase & DNase > Free of detectable pyrogens > Free of detectable DNA > Forensic DNA Grade
Page	10	12	14	16	26

When should I use air-cushion pipettes?
Air-cushion pipettes are optimal for liquids with physical properties such as water.

Positive displacement principle

					
Eppendorf Pipet Helper®	**Multipette® M4**	**Multipette® E3/E3x**	**Varipette® 4720**	**Varispenser® 2/2x**	**Eppendorf Top Buret™**
Pipetting of aqueous liquids with serological and volumetric pipettes	Dispensing of up to 100 steps per Combitip filling of aqueous, viscous and volatile liquids	Dispensing of up to 100 steps per Combitip filling of aqueous, viscous and volatile liquids	Contamination-free pipetting of aqueous, viscous and volatile liquids	Single stroke dispensing of lyes, acids, bases, aqueous liquids or solvents	Titration of aqueous liquids
Pipette controller	Dispenser	Dispenser	Pipette	Bottletop dispenser	Bottletop burette
Manual	Mechanical	Electronic	Mechanical	Mechanical	Electronic
Air-cushion	Positive displacement	Positive displacement	Positive displacement and air-cushion	Positive displacement	Positive displacement
No	No	No	No	No	No
A perfect instrument for inexperienced users because of its robust and intuitive design	Time savings for serial dispensing and high accuracy for problem liquids	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 manual titration
0.1–100 mL	1 µL–10 mL	1 µL–50 mL	1–10 mL	0.2–100 mL	0.1–999.9 mL
1-channel	1-channel	1-channel	1-channel	1-channel	1-channel
No	Yes (read option)	Yes (read & write option)	No	No	No
Yes	No	No	No	Yes	No
Eppendorf Serological Pipets and other volumetric and serological pipettes	Combitips advanced® NEW: ViscoTip®	Combitips advanced® NEW: ViscoTip®	Eppendorf Varitips	–	–
> Sterile > Free of detectable RNase & DNase > Free of detectable pyrogens > Free of detectable DNA > Forensic DNA Grade	> Eppendorf Quality™ > PCR clean*1 > Eppendorf Biopur®*1 > Forensic DNA Grade*1 *1 Combitip advanced only	> Eppendorf Quality™ > PCR clean*1 > Eppendorf Biopur®*1 > Forensic DNA Grade*1 *1 Combitip advanced only	> Eppendorf Quality™	–	–
26	22	23	27	27	27

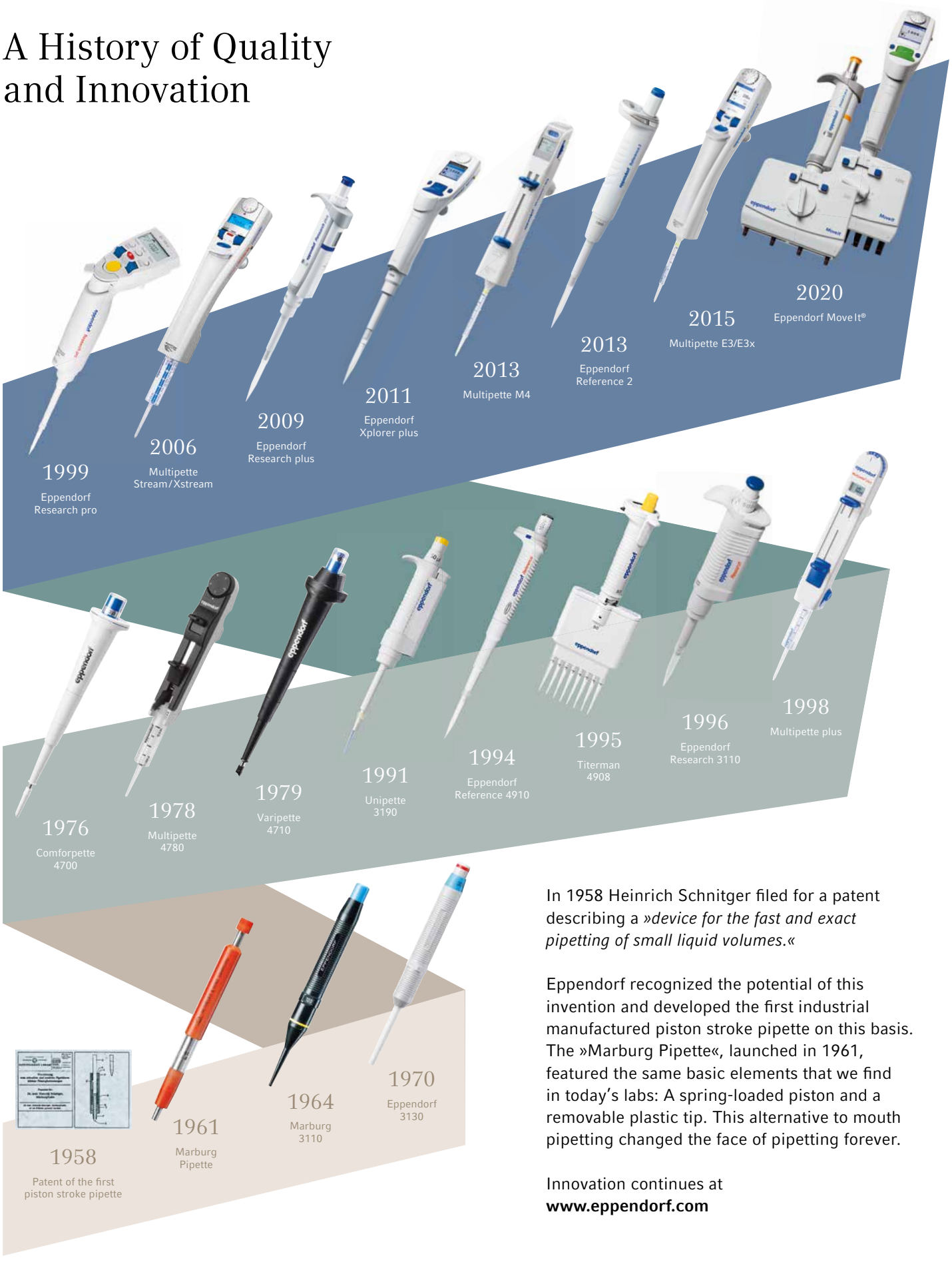
When should I use positive displacement pipettes?
Positive-displacement pipettes are ideal for liquids with physical properties other than those of water. These include liquids with different viscosity, volatility, surface tension or density.

Automated liquid handling

			
ep*Motion*® 96 and ep*Motion*® 96xl	**ep*Motion*® 5070**	**ep*Motion*® 5073**	**ep*Motion*® 5075**
Pipetting of aqueous liquids with 96 channels at once	Serial pipetting of aqueous, viscous and volatile liquids in automated way for easy tasks on small foot print	Serial pipetting of aqueous, viscous and volatile liquids in automated way for routine tasks	Serial pipetting of aqueous, viscous and volatile liquids in automated way with highest flexibility and tool options
Semi-automated 96 channel pipette	Automated Liquid Handling	Automated Liquid Handling	Automated Liquid Handling
Electronic	Automation	Automation	Automation
Air-cushion	Air-cushion	Air-cushion	Air-cushion
No	No	No	No
Intuitive and fast pipetting in 96 and 384 format	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
ep*Motion* 96: 0.5–300 µL, ep*Motion* 96xl: 5–1,000 µL	0.2–1,000 µL, 1 & 8 channel	0.2–1,000 µL, 1 & 8 channel	0.2–1,000 µL, 1 & 8 channel
2-position lifting table	Automatic exchange of 2 dispensing tools, tablet or PC control	Same as 5070 plus gripper transport, 1 thermal module, ThermoMixer, magnetic separation HEPA filter & UV light	Same as 5073 plus 3 thermal modules, Automatic exchange of 4 dispensing tools, Vacuum separation
No	No, but chip tool identification and calibration warning	No, but chip tool identification and calibration warning	No, but chip tool identification and calibration warning
No	Yes (tools)	Yes (tools), UV light and HEPA filter (optional)	Yes (tools), UV light and HEPA filter (optional)
epT.I.P.S.® Motion reload system	epT.I.P.S.® Motion tips as racks or reloads	epT.I.P.S.® Motion tips as racks or reloads	epT.I.P.S.® Motion tips as racks or reloads
> Eppendorf Quality™ > PCR clean > PCR clean & sterile	> Eppendorf Quality™ > PCR clean > PCR clean & sterile	> Eppendorf Quality™ > PCR clean > PCR clean & sterile	> Eppendorf Quality™ > PCR clean > PCR clean & sterile
32	33	34	35

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

A History of Quality and Innovation

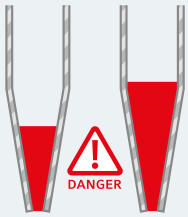


In 1958 Heinrich Schnitger filed for a patent describing a *»device for the fast and exact pipetting of small liquid volumes.«*

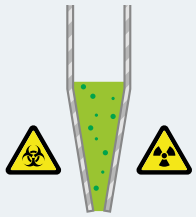
Eppendorf recognized the potential of this invention and developed the first industrial manufactured piston stroke pipette on this basis. The »Marburg Pipette«, launched in 1961, featured the same basic elements that we find in today's labs: A spring-loaded piston and a removable plastic tip. This alternative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

Innovation continues at
www.eppendorf.com

Master Any Type of Liquid

Type of Liquid		Water	Viscous e.g. glycerol, oil	Dense e.g. sulfuric acid, caesium chloride	Volatile e.g. acetone, ethanol
					
Potential problems	Observations	> Air-cushion pipettes are optimized to the physical properties of water	> High resistance to flow > Liquid residues stay attached to inside tip wall > Imprecise results	> Influence on size of air-cushion > Dispensed volume too low or too high	> Air-cushion expands > Liquid drips out of the tip > Imprecise results
Prevention	Air-cushion pipettes	> Optimally suitable for the use of water > No adaptation necessary	> Work slowly > Reverse pipetting > Adjust liquid type*[1]	> Adjust pipette to liquid density > Adjust liquid type*[1]	> Prewet at least 5 times > Reverse pipetting > Adjust liquid type*[1]
Recommendations	Positive displacement dispenser	> Serial pipetting for multiple samples	> Higher precision regardless of physical properties of liquid > Serial pipetting	> Higher precision regardless of physical properties of liquid > Serial pipetting	> Higher precision regardless of physical properties of liquid > Serial pipetting
	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 > Varitip S system and valve for drip-free dispensing
	Bottletop dispenser	> Liquid dispensing directly from supply bottles	> Liquid dispensing directly from supply bottles 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 electric pipettes
*[2, 3, 4] See Varipette® 4720 for corresponding Eppendorf Varitips®

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

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

Product benefits

> Ultra light mechanical pipette designed according to the strict criteria of the Eppendorf PhysioCare Concept
> Very low weight and operating forces for advanced ergonomics to limit strain on your hand and arm
> User adjustment option to offset inaccuracies when pipetting warm, cold, volatile or high density liquids and return to factory adjustment without calibration
> One of the most commonly used pipettes in the world is available as a single channel pipette in fixed or variable volume as well as 8, 12, 16 and 24-channel pipette



CE*

* The Research plus pipette is designed and constructed for low-contamination transfer of liquids, in particular for samples from the human body and for reagents within the scope of an in-vitro diagnostic application in order to allow the in-vitro diagnostic medical device to be used as intended. This pipette is an in-vitro diagnostic device according to Directive 98/79/EC of the European Parliament and the Council dated October 27, 1998. It is intended exclusively for indoor use and for operation by qualifi ed staff.



reddot design award
winner 2009

SCIENTISTS' CHOICE AWARDS 19
NOMINATE

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.

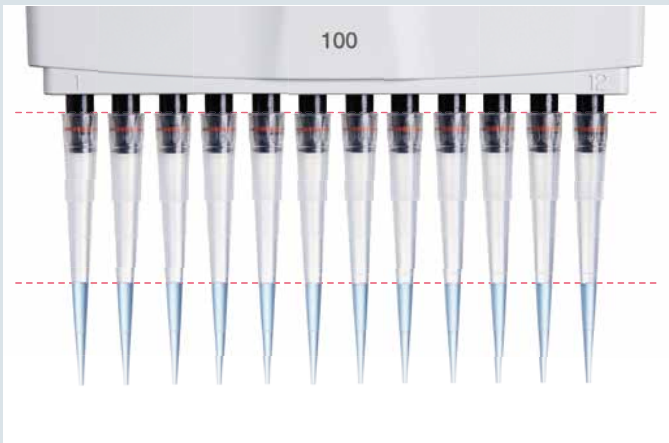
High flexibility
Your new pipette should offer all the flexibility you need. Adjust your Research plus to your needs, autoclave the entire pipette or only the lower part. Choose among single channel, multi channel and fix-volume pipettes in different sizes.

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

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

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 multichannel pipettes, and maximize user to user reproducibility for more uniform results among members of the lab.





Eppendorf Reference® 2

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

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

Product benefits

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



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





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

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

reddot design award
winner

GERMAN DESIGN AWARD WINNER 2018



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.

CE*

* The Reference 2 pipette is designed and constructed for low-contamination transfer of liquids, in particular for samples from the human body and for reagents within the scope of an in-vitro diagnostic application in order to allow the in-vitro diagnostic medical device to be used as intended. This pipette is an in-vitro diagnostic device according to Directive 98/79/EC of the European Parliament and the Council dated October 27, 1998. It is intended exclusively for indoor use and for operation by qualifi ed staff.

Eppendorf Xplorer®/Eppendorf Xplorer® plus

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

Product benefits

> Intuitive handling: Selection dial and multifunction rocker
> Optimal ergonomics: Designed according to Eppendorf PhysioCare Concept
> High reproducibility: Spring loaded tip cone, individual adjustment, and a motorized piston
> Ease of use: After tip ejection, the piston automatically returns to the zero
> Includes a history function that automatically saves the last parameters for faster handling
> Full control: Edit and Help at the push of a button
> Available as a single, 8, 12, 16 and 24-channel pipette



NEW: 16 and 24-channel pipettes

Both the Eppendorf Xplorer and the expanded model Eppendorf Xplorer plus are available as single, 8, 12, 16 and 24-channel pipette.

> 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 applications, adjustable fixed volumes and individual programming tasks, are performed much faster and easier. A password can be entered to guarantee the highest degree of protection for your programming and settings.

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

reddot design award winner

SelectScience 2018 BRONZE Seal of Quality



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®

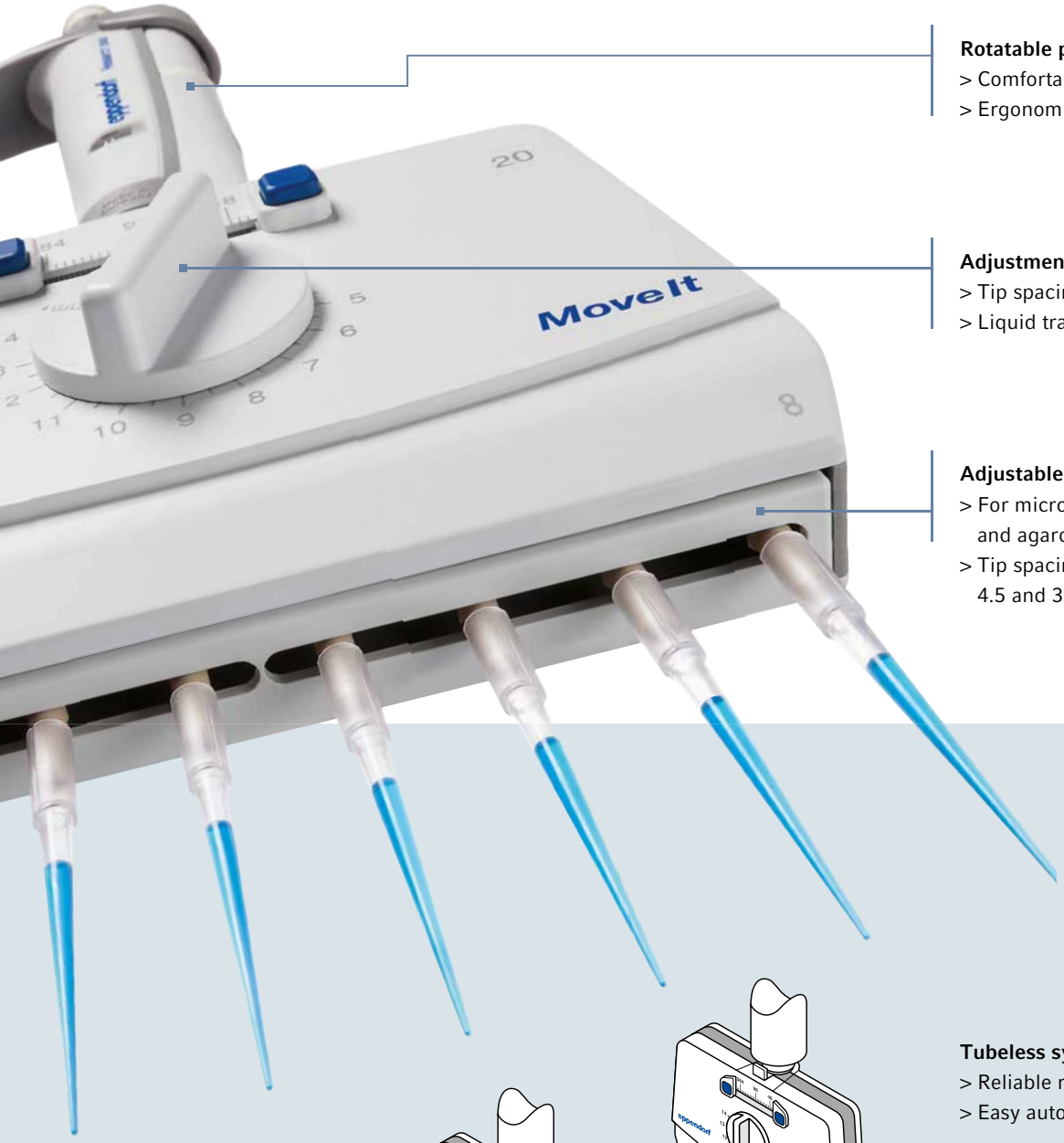
Double your performance
Often, single channel pipettes are used for multiple sample transfer from one vessel type to another, from tubes to plates for instance. This can be time-consuming and inconvenient, especially when throughput increases. Instead of pipetting many times, up to twelve samples can now be moved simultaneously with the new 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.

Spacing control
Enabling quick switches backwards and forwards between the formats



Product 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
> Safe sample transfer as size of air cushion remains very small (no tubing)

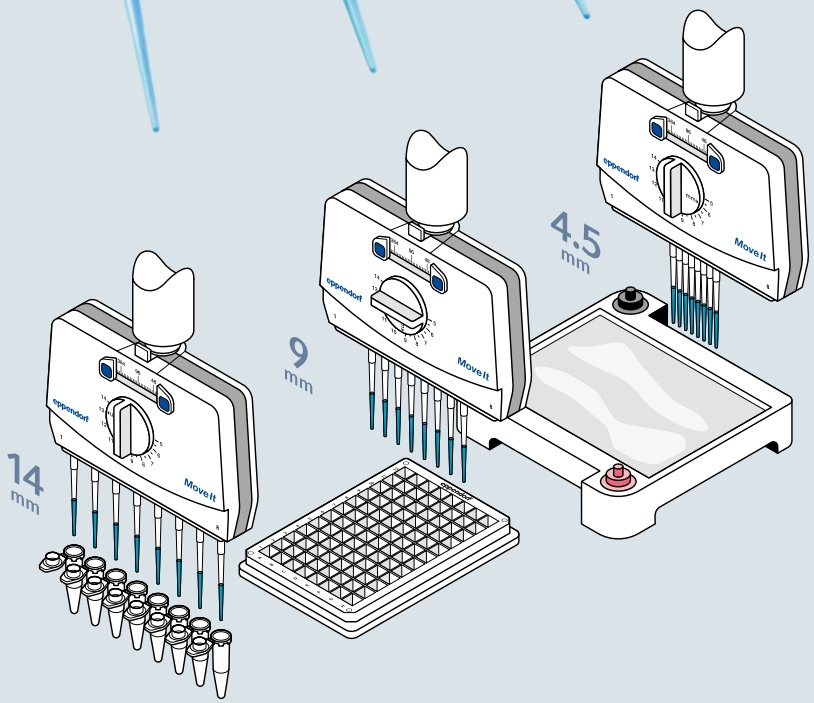




Rotatable pipette head – 360°
> Comfortable readability of display
> Ergonomic and relaxed body posture

Adjustment knob
> Tip spacing adjustable manually
> Liquid transfers without dripping

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



Tubeless system
> Reliable robustness and precision
> Easy autoclavability*

Format change
> Easy and fast between
  – 384, 96, 48, 24 and 12-well plates
  – 1.5 and 2.0 mL tubes
  – 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.



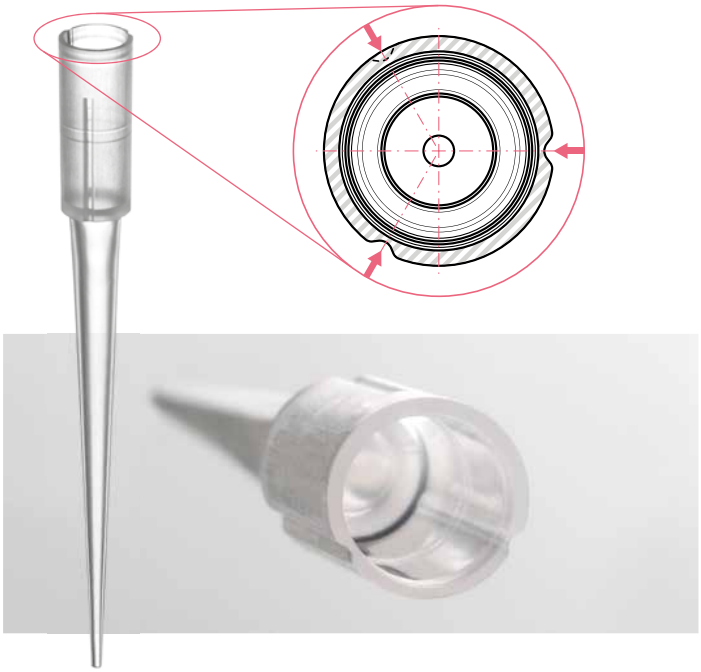
CE*

* The pipette tips epT.I.P.S.® in the packaging units Reloads, Box, Set, Singles and Racks are designed and constructed for low-contamination transfer of liquids, in particular for samples from the human body and for reagents within the scope of an in-vitro diagnostic application in order to allow the in-vitro diagnostic device to be used as intended. The above mentioned epT.I.P.S.® are in-vitro diagnostic devices according to Directive 98/79/EC of the European Parliament and the Council dated October 27, 1998. They are intended exclusively for single use and for application by qualified staff.

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.



CE*

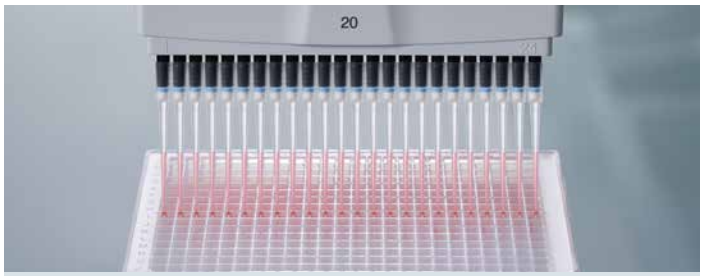
* The pipette tips of the epT.I.P.S. 384 product group with the respective product numbers are designed and constructed for low-contamination transfer of liquids, in particular for samples from the human body and for reagents within the scope of an in-vitro diagnostic application in order to allow the in-vitro diagnostic medical device to be used as intended. The above mentioned epT.I.P.S. 384 are in-vitro diagnostic devices according to Directive 98/79/EC of the European Parliament and the Council dated October 27, 1998. The epT.I.P.S. 384 are intended for use with the corresponding Eppendorf devices.

> 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 new 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 for IVD



www.eppendorf.com/centrifuges

Mastercycler® X50h



www.eppendorf.com/mastercycler

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

Multipette® M4

The first positive-displacement pipette, the Multipette, made serial pipetting without repeated liquid aspiration possible.

A 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.

Product benefits of the Multipette M4

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



reddot design award
winner 2013



Precision for difficult liquids
The Multipette M4 can precisely pipette 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 new 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 new 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.

Benefits of the Combitips advanced

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





Elongated tips (for 2.5 mL, 5 mL, 10 mL)
Complete emptying of all common tubes prevents sample loss



Variety and selection
With 9 volume sizes (0.1 mL to 50 mL) and 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

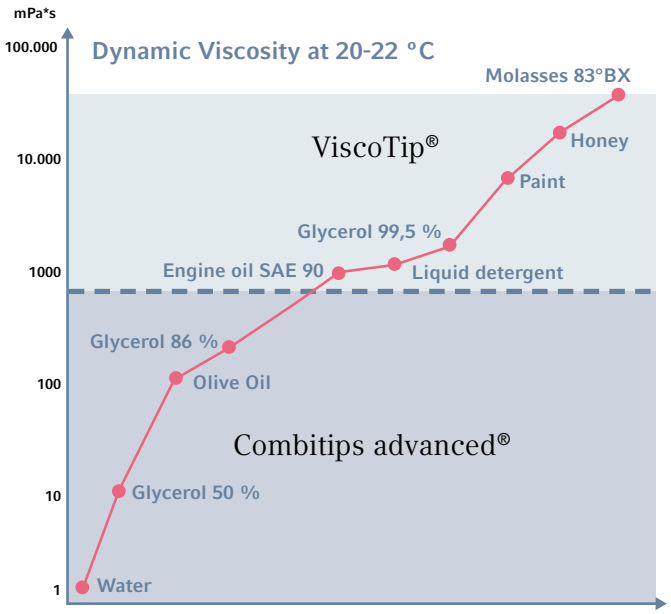
ViscoTip®

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.



Benefits of VisoTip

> 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.com

Eppendorf 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
best of the best 2010



Eppendorf Pipet Helper®

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

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

Varipette® 4720

The Varipette is a continuously adjustable pipette that works according to the positive displacement principle. Thus the pipette is especially designed for precise pipetting of liquids with high vapor pressure or viscosity. The 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.



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 manual and electronic instruments.

reddot design award winner

GERMAN DESIGN AWARD WINNER 2018

GOLDEN PIN DESIGN AWARD



Pipette Carousel 2 for up to six manual Eppendorf pipettes and Charger Carousel 2 for up to six electronic devices



Pipette Stand 2 for a single manual Eppendorf pipette and Charger Stand 2 for single electronic devices



Pipette holder 2 for wall mounting, installation on a shelf above the bench or inside a biological safety cabinet. Available for various pipette models

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!

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 multichannel 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

Applications

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

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



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

epMotion® 5073

The midsize epMotion 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.

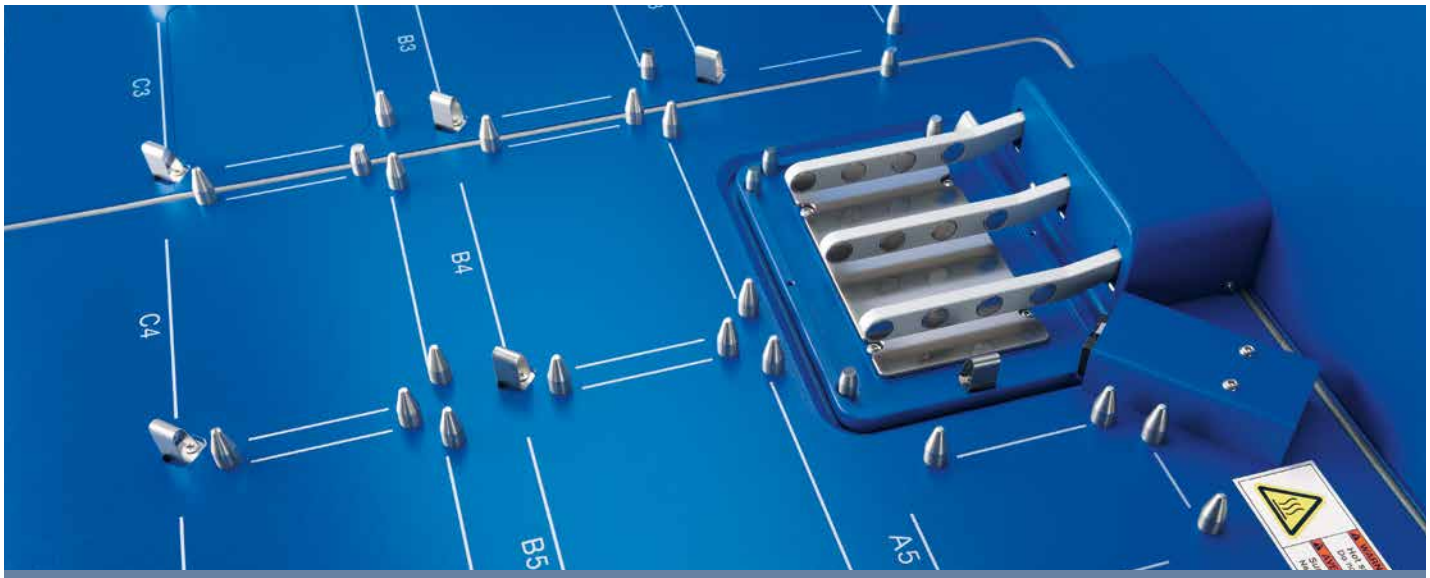


GOOD DESIGN AWARD 2008

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

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



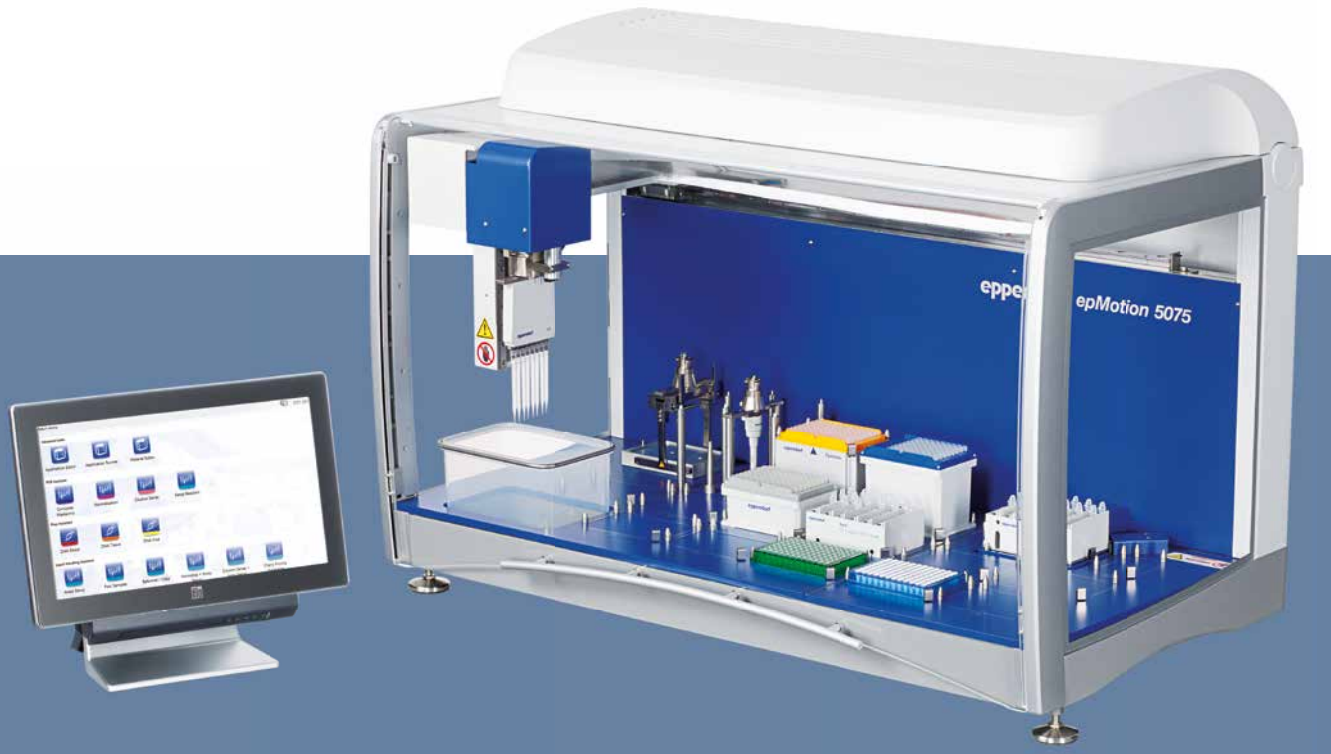
> Watch our video for flexible use of epMotion 5073 on our YouTube channel

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

Eppendorf Handling Solutions

Liquid Handling
Cell Handling
Sample Handling



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

Sample Handling

Eppendorf products set standards in a wide variety of laboratory areas at an early stage – standards that still serve as yardsticks for others today. Sample Handling encompasses many different work processes and steps: centrifugation, heating, freezing, mixing, amplification, and analysis of samples. Eppendorf offers the devices and consumables needed for each of these steps and allows users to feel assured that the work they perform is of the highest quality.



Eppendorf Tubes® and Eppendorf Plates

Quality begins on the inside of your tube or plate

> Optimized materials and processes
> Free of biocides, plasticizers and latex
> No use of slip agents like oleamide, erucamide, stearamide
> Full traceability for each product



Eppendorf ThermoMixer FP

Compact mixing and heating instrument

> Optimized for plate applications by fixed-block design
> Efficient mixing of small sample volumes
> Compatible with SmartExtender and ThermoTop



Eppendorf Centrifuges

Unparalleled performance beyond speed and capacity

> Advanced temperature management
> Innovative safety features
> Excellent user convenience



Eppendorf PCR Consumables

Are you aware that PCR consumables can have an influence on the quality and reproducibility of your PCR results?

> Extremely thin-walled polypropylene wells guarantee optimum heat transfer to the sample
> Raised well rims for effective sealing, also reduces risk of cross-contamination
> LoBind material guarantees maximum sample recovery for improved assay results

In-Situ PCR: PCR Directly Inside a Cell?

Find out challenging tips on www.eppendorf.com/in-situ-PCR



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	3120 000 011
		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	3120 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	3120 000 097
		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	3120 000 038
		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	3120 000 046
		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	3120 000 054
		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	3120 000 100
		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	3120 000 062
		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 NEW	red (for epT.I.P.S.® 2.5 mL)	0.25 mL	±4.8%	±0.012 mL	±1.2%	±0.003 mL	3120 000 143
		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	3120 000 070
		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	3120 000 089
		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.

This pipette is an in-vitro diagnostic device according to Directive 98/79/EC of the European Parliament and the Council dated October 27, 1998.

Eppendorf Research® plus

Eppendorf Research® plus (multichannel, 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 NEW	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 NEW	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
50–1,200 µL NEW	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

This pipette is an in-vitro diagnostic device according to Directive 98/79/EC of the European Parliament and the Council dated October 27, 1998.

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
3122 000 019	3122 000 027	–	–
3122 000 035	3122 000 043	–	–
3122 000 051	3122 000 060	–	–
3122 000 213	–	–	–
–	3122 000 221	–	–
–	–	3122 000 078	–
–	–	3122 000 094	–
–	–	–	3122 000 086
–	–	–	3122 000 108

Eppendorf Research® plus

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

Volume	Color code	Systematic error*2		Random error*2		Order no.
10 µL	medium gray (for epT.I.P.S.® 20 µL)	±1.2%	±0.12 µL	±0.6%	±0.06 µL	3121 000 015
20 µL	light gray (for epT.I.P.S.® 20 µL L)	±0.8%	±0.16 µL	±0.3%	±0.06 µL	3121 000 031
10 µL	yellow (for epT.I.P.S.® 200 µL)	±1.2%	±0.12 µL	±0.6%	±0.06 µL	3121 000 023
20 µL		±1.0%	±0.2 µL	±0.3%	±0.06 µL	3121 000 040
25 µL		±1.0%	±0.25 µL	±0.3%	±0.08 µL	3121 000 058
50 µL		±0.7%	±0.35 µL	±0.3%	±0.15 µL	3121 000 066
100 µL		±0.6%	±0.6 µL	±0.2%	±0.2 µL	3121 000 074
200 µL		±0.6%	±1.2 µL	±0.2%	±0.4 µL	3121 000 082
200 µL	blue (for epT.I.P.S.® 1,000 µL)	±0.6%	±1.2 µL	±0.2%	±0.4 µL	3121 000 090
250 µL		±0.6%	±1.5 µL	±0.2%	±0.5 µL	3121 000 104
500 µL		±0.6%	±3.0 µL	±0.2%	±1.0 µL	3121 000 112
1 000 µL		±0.6%	±6.0 µL	±0.2%	±2.0 µL	3121 000 120

*1 Eppendorf Research® plus 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.

Accessories	Order no.
Tip-Tub reagent reservoir, autoclavable reservoir for aspirating liquids with multichannel 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	3120 000 909
Option 2: 2–20 µL yellow, 20–200 µL, 100–1,000 µL	3120 000 917
Option 3: 100–1,000 µL, 0.5–5 mL, 1–10 mL	3120 000 925

This pipette is an in-vitro diagnostic device according to Directive 98/79/EC of the European Parliament and the Council dated October 27, 1998.

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	4920 000 016
		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	4920 000 024
		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	4920 000 032
		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	4920 000 040
		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	4920 000 059
		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	4920 000 067
		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	4920 000 075
		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	4920 000 083
		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	4920 000 091
		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	4920 000 105
		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	4920 000 113
		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 multichannel pipettes, 1 set = 10 reservoirs and 10 lids	0030 058 607
Eppendorf TrackIT	3903 000 014

This pipette is an in-vitro diagnostic device according to Directive 98/79/EC of the European Parliament and the Council dated October 27, 1998.

Eppendorf Reference® 2

Eppendor							For 96-well plates	
Volume range	Color code	Volume	Systematic error*2		Systematic error*2		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)	0.5 µL	±12.0%	±0.06 µL	±8.0%	±0.04 µL	4922 000 013	4922 000 021
		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	4922 000 030	4922 000 048
		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	4922 000 056	4922 000 064
		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) **Eppendorf Reference® 2 (multichannel, variable volume)*1**

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	4921 000 010
2 µL		±2.0%	±0.04 µL	±1.2%	±0.024 µL	4921 000 028
5 µL	medium gray (for epT.I.P.S.® 20 µL)	±1.2%	±0.06 µL	±0.6%	±0.03 µL	4921 000 036
10 µL		±1.0%	±0.1 µL	±0.5%	±0.05 µL	4921 000 044
20 µL	light gray (for epT.I.P.S.® 20 µL L)	±0.8%	±0.16 µL	±0.3%	±0.06 µL	4921 000 060
10 µL	yellow (for epT.I.P.S.® 200 µL)	±1.2%	±0.12 µL	±0.6%	±0.06 µL	4921 000 052
20 µL		±1.0%	±0.2 µL	±0.3%	±0.06 µL	4921 000 079
25 µL		±1.0%	±0.25 µL	±0.3%	±0.075 µL	4921 000 087
50 µL		±0.7%	±0.35 µL	±0.3%	±0.15 µL	4921 000 095
100 µL		±0.6%	±0.6 µL	±0.2%	±0.2 µL	4921 000 109
200 µL		±0.6%	±1.2 µL	±0.2%	±0.4 µL	4921 000 117
200 µL	blue (for epT.I.P.S.® 1,000 µL)	±0.6%	±1.2 µL	±0.2%	±0.4 µL	4921 000 125
250 µL		±0.6%	±1.5 µL	±0.2%	±0.5 µL	4921 000 133
500 µL		±0.6%	±3.0 µL	±0.2%	±1.0 µL	4921 000 141
1,000 µL		±0.6%	±6.0 µL	±0.2%	±2.0 µL	4921 000 150
2 mL	red (for epT.I.P.S.® 2.5 mL)	±0.6%	±0.012 mL	±0.2%	±0.004 mL	4921 000 168
2.5 mL		±0.6%	±0.015 mL	±0.2%	±0.005 mL	4921 000 176

*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	4920 000 903
Option 2: 2–20 µL yellow, 20–200 µL, 100–1,000 µL	4920 000 911
Option 3: 100–1,000 µL, 0.5–5 mL, 1–10 mL	4920 000 920

This pipette is an in-vitro diagnostic device according to Directive 98/79/EC of the European Parliament and the Council dated October 27, 1998.

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 NEW	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 NEW	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 NEW	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® (multichannel, 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 NEW	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 NEW	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 NEW	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 (multichannel, 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 (multichannel, variable volume, incl. charger) for Plates 384

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 NEW	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 NEW	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 NEW	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 NEW	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.

Eppendorf Move It®

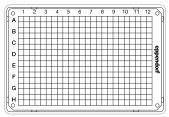
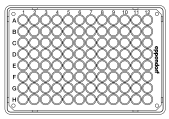
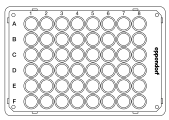
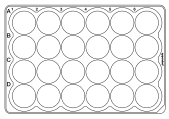
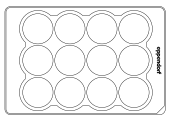
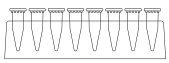
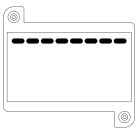
Eppendorf Research® plus Move It®
(mechanical, multichannel, variable volume)

No. of channels	Volume	Color code	Order no.
4-channel	15–300 µL	orange	3125 000 150
	50–1,200 µL	dark green	3125 000 184
6-channel	15–300 µL	orange	3125 000 168
	50–1,200 µL	dark green	3125 000 192
8-channel	1–20 µL	light pink	3125 000 117
	5–100 µL	light yellow	3125 000 133
	15–300 µL	orange	3125 000 176
	50–1,200 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®
(electronical, multichannel, 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



	Type of tips	epT.I.P.S.®			epT.I.P.S.® 384	
Vessel Format	**Pipette** Electronical Mechanical	Eppendorf Xplorer® plus, Eppendorf Research® plus			Eppendorf Xplorer® plus, 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** (Tip distance 4.5 mm)	–	–	–	■	■
	**96 Wells** (Tip distance 9 mm)	■	■	■	■	■
	**48 Wells** (Tip distance 13 mm)	■	■	■	■	–
	**24 Wells** (Tip distance 19 mm)	■	■	–	–	–
	**12 Wells** (Tip distance 26 mm)	■	–	–	–	–
	**1.5 mL / 2.0 mL Tube** (Tip distance 14, 18, 20 mm)	14, 18, 20 mm ■	14, 18, 20 mm ■	14 mm ■	14 mm ■	–
	**Agarose gel**	* ■	* ■	* ■	■	■

* Limited suitability due to volume and size of tips

Eppendorf 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

Eppendorf 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

Eppendorf Multipette® M4

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

Multipette® E3/E3x

Description	Order no.
Multipette® E3 with charging adapter and 2 Combitips advanced® assortment packs	4987 000 010
Multipette® E3 with charger stand, 2 Combitips advanced® assortment packs, and charging stand	4987 000 371
Multipette® E3x with charging adapter and 2 Combitips advanced® assortment packs	4987 000 029
Multipette® E3x with charger stand, 2 Combitips advanced® assortment packs, 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	–
NEW 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.

Eppendorf Varipette®

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

Eppendorf 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

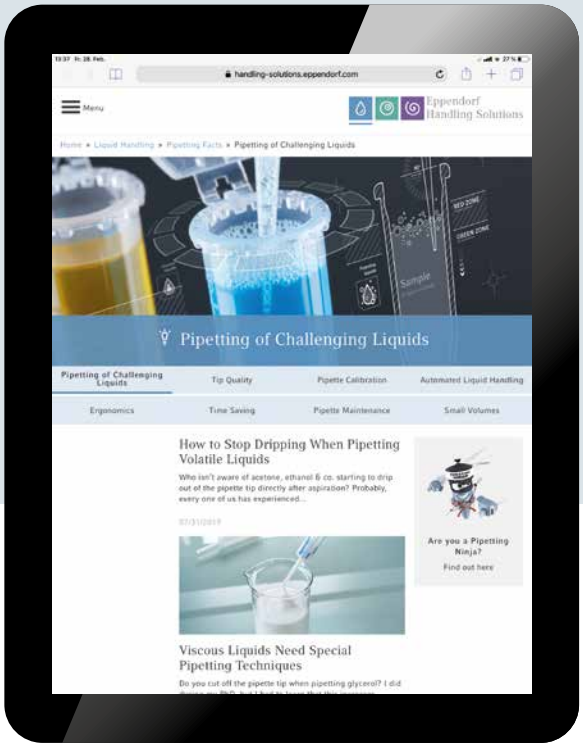
> For accessories, consumables, upgrade options, and service products please visit www.eppendorf.com.

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

Eppendorf Handling Solutions

Increase your knowledge and become a liquid handling professional!
Are you working with the following liquids?
> Viscous
> Foaming
> High vapor pressure
> High density
> Infectious

> Learn more about professional handling of challenging liquids: www.eppendorf.com/pipetting



Your local distributor: www.eppendorf.com/contact
Eppendorf AG · Barkhausenweg 1 · 22339 Hamburg · Germany
eppendorf@eppendorf.com · www.eppendorf.com

www.eppendorf.com

ep*Motion*® M5073/M5073c/5075m: This product and its use may be covered by one or more patents owned by Gen-Probe Incorporated. The purchase price for this product includes only limited, nontransferable rights under certain claims of certain patents owned by Gen-Probe Incorporated to use this product for research purposes only. No other rights are conveyed. Purchaser is not granted any rights under patents of Gen-Probe Incorporated to use this product for any commercial use. Further information regarding purchasing a license under patents of Gen-Probe Incorporated to use this product for any other purposes, including, without limitation, for commercial use, may be obtained by contacting Gen-Probe Incorporated, Attn: Business Development Department, 10210 Genetic Center Drive, San Diego, California 92121-4362, U.S.A.

Eppendorf®, the Eppendorf Brand Design, epServices® logo, epServices for Premium Performance®, Eppendorf Reference®, Eppendorf Pipet Helper®, Biomaster®, Biopur®, Multipette®, Eppendorf Research®, Eppendorf Xplorer®, Eppendorf Move It®, PhysioCare Concept®, epT.I.P.S.®, Combitips advanced®, Varispenser®, Easypet®, ep Dualfilter T.I.P.S.®, Varipette®, Eppendorf Varitips®, Mastertip®, ViscoTip®, ep*Motion*® and Eppendorf ThermoMixer® are registered trademarks of Eppendorf AG, Germany. TopBuret™, epBlue™, Eppendorf Quality™ and Eppendorf MagSep™ are trademarks of Eppendorf AG, Germany.
U.S. Design Patents are listed on www.eppendorf.com/ip. All rights reserved, including graphics and pictures.
Order No. APIP F12 021/IVD/GB2/0T/0820/SSO/STEF. Copyright © 2020 by Eppendorf AG.