

Multipette® plus and Eppendorf Combitips® plus



Product features of Eppendorf Combitips® plus

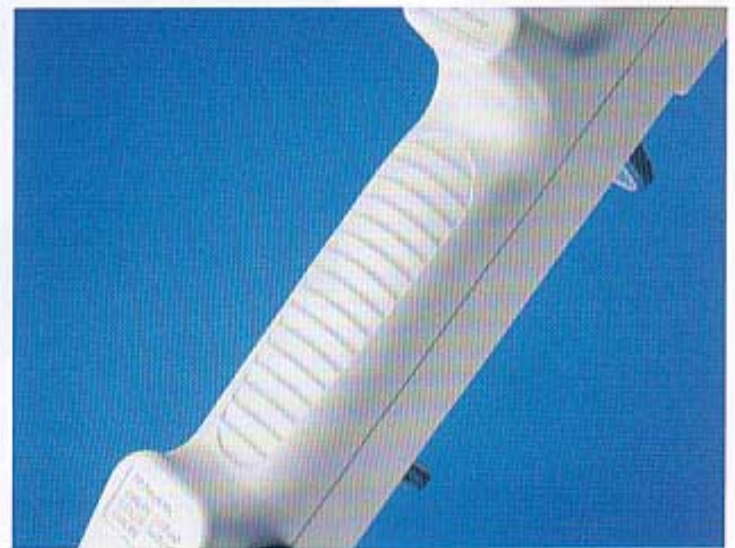
- Ideal system component for all Multipettes, Multipette® pro (electronic model) and EDOS® (automatic dispensing system)
- 9 different Combitip plus
- 20 different dispensing volumes per Combitip size
- Reliable results guaranteed by positive displacement
- Fine tip of Combitips guarantees exact dispensing without additional pipette tip
- Available as standard and Eppendorf Biopur® product

Volume range for Combitips plus (with Multipette plus)

Combitip plus	Smallest step (µl)	Largest step (µl)
0.1 ml	1	20
0.2 ml	2	40
0.5 ml	5	100
1 ml	10	200
2.5 ml	25	500
5 ml	50	1,000
10 ml	100	2,000
25 ml	250	5,000
50 ml	500	10,000

Ergonomy: If you have to tackle long series every working day, you're entitled to expect that health risks are kept to an absolute minimum. For this reason, the Multipette plus ensures that the stress is on the word "ergonomics" and not on your body.

The pipette is super-lightweight – the stroke path has been drastically reduced in order to alleviate thumb strain – and the design is tailored to the contours of your hand. In short, the Multipette plus fits like a glove, enabling you to save time and energy during your liquid handling routines.



- Reduced stroke path at volume selection dial ≤6 means easier dispensing with less stress on hand and thumb muscles

- Fits snugly into your hand due to rounded, grooved grip

Multipette® pro

Application

- Electronic dispensing with program memory

Product features

- Dispensing and pipetting according to positive-displacement principle
- Rapid, fatigue-free dispensing with light thumb pressure on dispensing key
- Easy-to-follow display shows volume and number of dispensing steps
- Speed for filling and dispensing can be set individually
- Volume range: 1 µl to 50 ml
- Automatic Combitip plus recognition
- Electronic drive guarantees constant precision – independent of influence from user
- Battery status monitoring, with warning when battery is low
- Specific volume aspiration thanks to selectable number of dispensing steps
- Most-recently dispensed volume and working speed are stored for each Combitip size



This electronic hand-held dispenser combines the advantages of the well-known Eppendorf Multipette® with state-of-the-art electronics. Independent of the main power supply, the Multipette® pro is powered by an advanced accumulator system. After the Combitip has been inserted, the LC display automatically provides information about the preset mode, the dispensing volume and the number of dispensing steps. Different aspirating and dispensing speeds can be set separately and individually, and it is now possible to attach Combitips directly from the rack using one hand only. Combitips can be ejected easily and safely at the push of a button. The Multipette® pro is the first ever electronic manual dispenser for Combitips to offer cordless precision and speed. The Multipette® pro, with its variable volume setting, can be used universally in research, clinical and industrial applications.

Technical specifications

Combitip plus	Volume min./max.	Step size	Volume	Inaccuracy %	Imprecision %
0.1 ml	1 µl	0.2 µl	10 µl	±1.6	≤2.5
	100 µl		100 µl	±1.0	≤0.5
0.2 ml	2 µl	0.4 µl	20 µl	±1.3	≤1.5
	200 µl		200 µl	±1.0	≤0.5
0.5 ml	5 µl	1 µl	50 µl	±0.9	≤0.8
	500 µl		500 µl	±0.9	≤0.3
1 ml	10 µl	2 µl	100 µl	±0.9	≤0.55
	1 ml		1,000 µl	±0.6	≤0.2
2.5 ml	25 µl	5 µl	250 µl	±0.8	≤0.45
	2.5 ml		2,500 µl	±0.5	≤0.15
5 ml	50 µl	10 µl	500 µl	±0.8	≤0.35
	5 ml		5,000 µl	±0.5	≤0.15
10 ml	100 µl	20 µl	1,000 µl	±0.5	≤0.25
	10 ml		10,000 µl	±0.4	≤0.15
50 ml	500 µl	100 µl	5,000 µl	±0.3	≤0.25
	50 ml		50,000 µl	±0.3	≤0.15

Multipette® plus, Eppendorf Combitips® plus and Eppendorf Biopur®

Application

- For RNase-, DNA-, ATP- and pyrogen-free transfer

Product features

- Continuously controlled by external laboratory
- Batch-related quality certificate available on request



The Eppendorf Biopur seal stands for utmost biological purity. Eppendorf Biopur pipette tips are guaranteed sterile, pyrogen-free, RNase-free, DNA-free and ATP-free. They therefore meet the most stringent demands in medicine, the pharmaceutical and food industry, in PCR* applications, molecular biology and cell technology. This new purity dimension is enabled by a production procedure which is extensively automated throughout all manufacturing steps right down to the end product and excludes any contamination with biological substances.

*Polymerase Chain Reaction (PCR) is protected by patent by Hoffmann-La Roche.



Individual lot certificates at www.eppendorf.de

Technical specifications (for the system Multipette plus / Combitips plus)

Combitip plus	Volume μ l	Inaccuracy %	Imprecision %	Combitip plus	Volume μ l	Inaccuracy %	Imprecision %
0.1 ml	2	± 1.6	≤ 3.0	5 ml	100	± 0.6	≤ 0.6
	20	± 1.0	≤ 2.0		1,000	± 0.5	≤ 0.25
0.2 ml	4	± 1.3	≤ 2.0	10 ml	200	± 0.5	≤ 0.6
	40	± 0.8	≤ 1.5		2,000	± 0.5	≤ 0.25
0.5 ml	10	± 0.9	≤ 1.5	25 ml	500	± 0.4	≤ 0.6
	100	± 0.8	≤ 0.6		5,000	± 0.3	≤ 0.25
1 ml	20	± 0.9	≤ 0.9	50 ml	1,000	± 0.3	≤ 0.5
	200	± 0.6	≤ 0.4		10,000	± 0.3	≤ 0.25
2.5 ml	50	± 0.8	≤ 0.8				
	500	± 0.5	≤ 0.3				



The rotating pipette stand makes for an organized workplace. The new kind of attachment means that the Multipette is no longer held at the bottom, ruling out potential contamination of a Multipette by it being put on a stand.

Multipette, Multipette plus and Varipette can likewise be stored in the new pipette carousel.

In addition to the pipette carousel, there is a practical pipette bracket for attachment to the wall. This means the Multipette is always within reach and does not waste any valuable working space.

Ordering information see page 22.

Multipette® plus, Eppendorf Combitips® plus and Eppendorf Biopur®

Ordering information

Article	Order no.	£	Order no.	£
Multipette plus			4981 000.019	175.00
Multipette pro incl. charging station (230 V 50/60 Hz)			4985 000.013	395.00
Eppendorf Combitips plus	Standard (set of 100)		Biopur* (individually packed, set of 100)	
0.1 ml	0030 069.200	50.90	0030 069.404	84.90
0.2 ml	0030 069.218	50.90	0030 069.412	84.90
0.5 ml	0030 069.226	50.90	0030 069.420	84.90
1.0 ml	0030 069.234	50.90	0030 069.439	84.90
2.5 ml	0030 069.242	50.90	0030 069.447	84.90
5.0 ml	0030 069.250	50.90	0030 069.455	84.90
10 ml	0030 069.269	50.90	0030 069.463	84.90
25 ml	0030 069.293	63.40	0030 069.390	98.80
50 ml	0030 069.277	63.40	0030 069.471	106.30
25 ml adapter standard (1 piece), blue	0030 069.528	5.90		
50 ml adapter standard (1 piece), anthracite	0030 069.161	5.90		
25 ml adapter Eppendorf Biopur (set of 7)			0030 069.498	41.70
50 ml adapter Eppendorf Biopur (set of 7)			0030 069.480	41.70
Assortment pack Combitips plus – standard (5 of each size plus one 50 ml and one 25 ml adapter)	0030 069.285	37.80		
Multipette plus adapter for carousel pipette stand	4981 201.006	9.30		
Multipette plus wall mounting device	4981 203.009	11.70		
Combilong (set of two) Aspirating aid for removing liquids from volumetric flasks and tall bottles; Combitip plus sizes 5, 25 and 50 ml	0030 059.506	17.30		
Combitip Rack (Box with sliding lid for storing up to 10 Combitips plus 0,1 ml to 10 ml)	0030 069.897	27.50		

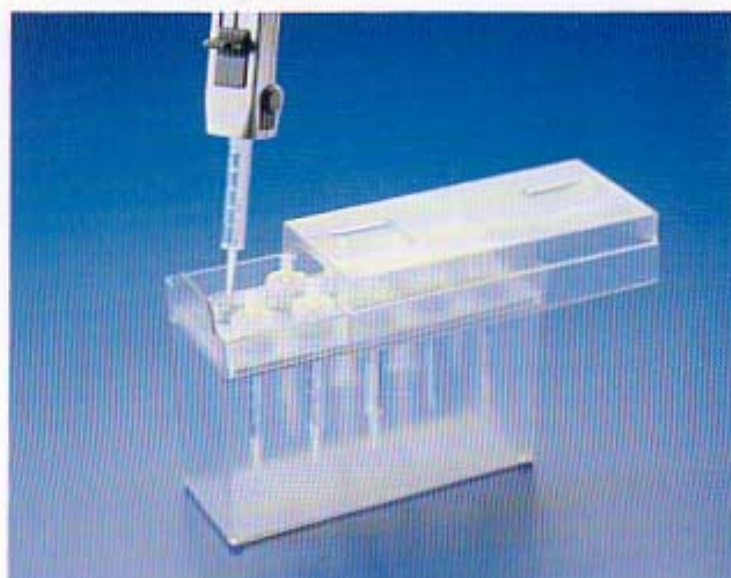


*Eppendorf Biopur® Combitips (individually packed) are guaranteed to be sterile, RNase-free, DNA-free, ATP-free and pyrogen-free.

Combitip Rack

Product features

- Box with tray for storing up to 10 Combitips (plus) of 0.1 ml–10 ml
- Can also be used as stand for Multipette plus
- Tips attached using one hand only
- Detachable sliding lid
- Non-slip stand
- Robust, with labeling surface



To allow you to fully enjoy the improved user-comfort of the Multipette® plus and Multipette® pro, we have developed the Combitip Rack. The Combitip Rack is a box for 10 Combitips plus. It enables the user to attach tips using one hand only, thus saving even more time.

Eppendorf Combitips®

All Eppendorf Combitips® and Combitips® plus form a reliable and precise system for positive-displacement dispensing in combination with the Multipipette 4780. Combitips are also available in Eppendorf Biopur quality. This means utmost purity and reliability.

Bestellinformation

Article	Order no.	£
Combitips 0.05 ml set of 50, plus 96 x 10 µl pipette tips autoclavable	0030 048.369	75.20
Combitips 1.25 ml set of 100	0030 048.083	65.00
Combitips 12.5 ml set of 100	0030 048.024	65.00

Other sizes are covered by Combitips plus; see page 31

Ordering information

Article	Order no.	£
Eppendorf Combitips Biopur®, individually sealed		
Combitips Biopur® 1.25 ml set of 100	0030 048.407	117.00
Combitips Biopur® 12.5 ml set of 100	0030 048.431	117.00

Ordering information

Article	Order no.	£
Plus/8 Accessories		
Plus/8-Cartridge, sterile, for 100 µl pipette tips, set of 18/180 pieces, per 10 pieces	0030 058.500	104.90
Plus/8-Cartridge, non-sterile, for 100 µl pipette tips, set of 18/360 pieces, per 20 pieces	0030 058.534	154.10
Plus/8-Cartridge, sterile, for 100 µl pipette tips, set of 18/180 pieces, per 10 pieces	0030 058.542	104.90
Plus/8-Cartridge, non-sterile, for 1.25 ml pipette tips, set of 18/360 pieces, per 20 pieces	0030 058.518	154.10
Plus/8, accessories, 8-channel-adaptor for Eppendorf Multipipette® 4780 for microtiter plates	4788 200.000	241.20
Stand for Plus/8	4788 213.005	34.80