

## Electronic and manual Multipipette® dispenser and Combitips® plus



### The Instruments

The Eppendorf Multipipette range of electronic and manual hand dispensers, is ideal for process acceleration and saving time on long-series pipetting. The increased volume selection provides outstanding flexibility and exceptional support for research and routine tasks, and smooth handling reduces the fatigue associated with repetitive work.

### The Consumables

Combitips plus easily attach to the Multipipettes; they are recognized by the dispenser's built-in sensor, and the volume appears automatically in the display. All time-consuming volume calculations and incorrect dispensing volumes are completely eliminated. The nine sizes of Combitips allow a wider dispensing range of up to 112 different volumes (Multipipette plus) or more than 2,500 different volumes are possible (Multipipette stream/Xstream). They provide the unique advantage of dispensing, e.g. 100 x 250 µl without stopping for a refill. Always contamination-free!

### The Liquids

Combitips plus function according to the positive displacement principle, which ensures that the correct volume is dispensed regardless of the density or viscosity of the liquid used. The positive displacement system provides safer dispensing of radioactive and toxic substances, as well as solutions with high vapor pressure. No aerosols are formed, and Combitips can simply be ejected and disposed after use. The Combitips are easily replaced, and the tips can be ejected at the push of a button, providing contamination-free ejection.

### The Conclusion

The Eppendorf Multipipette/Combitips system is a sophisticated systematic solution for repetitive liquid handling applications, especially with hazardous, volatile or viscous liquids.

## Electronic hand dispenser Multipette® stream and Multipette® Xstream



CE  
IVD\*



### Description

The Multipette stream and Xstream are the first electronic dispensers to combine easy handling with a broad range of features. The Multipette stream is suitable for all standard applications; for added versatility, such as titration and aspirating of supernatants, the Multipette Xstream is your first choice. When combined with the Combitips plus tip system, both dispenser/tip teams make an unbeatable and essential lab tool for all applications. More than 2,500 different volumes from 1 µl to 50 ml can be dispensed.

### Application

- Electronic dispensing with programmable storage functions
- Ergonomic design
- Easy-to-read blue display
- Contamination-free dispensing according to the direct displacement principle
- Also ideal for viscous solutions (e.g. glycerol, oil) as well as liquids with high vapor pressure (e.g. acetone, ethanol)
- Dispensing in long series



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Multipette stream and Multipette Xstream at a glance		
Feature	Multipette <sup>stream</sup>	Multipette <sup>Xstream</sup>
Positive displacement principle	●	●
Rapid, ergonomic dispensing with motorized piston	●	●
Automatic Combitip® plus tip recognition	●	●
One button tip ejector	●	●
Volume range from 1 µl to 50 ml	●	●
Li-ion battery	●	●
Automatic dispensing	●	●
Pipetting	●	●
Dispensing	●	●
Aspiration (pipetting of supernatants)		●
Titration		●
Sequential dispensing		●



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

## Manual hand dispenser Multipette®plus



The rounded, grooved grip of the Multipette plus means easier dispensing with less stress on hand and thumb muscles.

#### Description

The Multipette plus manual dispenser is the ideal precision instrument for saving time and speeding up long series pipetting. Increased volume selection provides all-round support for research and routine tasks allowing outstanding flexibility. The electronic display ensures error free dispensing combined with ergonomic handling.

#### Product features

- Easy to read: automatic Combitip recognition with electronic volume display
- Easy volume setting
- More flexibility with 112 different volumes from 1  $\mu$ l to 10 ml
- Up to 100 dispensings per filling for easy processing of long series
- Versatile, even for "uneven" volumes (e.g., 1  $\mu$ l, 3  $\mu$ l or 17  $\mu$ l)
- Safe due to easy contact-free Combitips attachment and ejection

#### Application

- Dispensing volumes in long series
- Contamination-free dispensing using the positive displacement principle
- Ideal for viscous solutions (e.g., glycerol, oil) or liquids with high vapor pressure (e.g., acetone, ethanol)



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

## Combitips® plus and Multipipette® accessories



Wall-mount



Pipette stand



Charging stand

**Product features**

- Ideal system component for all Multipipette, Multipipette plus and Multipipette stream/Xstream (electronic)
- 20 different dispensing volumes per each size of Combitips (Multipipette plus)
- Several hundred different volumes per each size of combitip (Multipipette stream/Xstream)
- Higher throughput with up to 100 dispensings per filling
- Reliable results ensured by positive displacement system
- Available in Eppendorf Quality and Eppendorf Biopur purity levels
- 9 different sizes, 0.1 ml–50 ml
- Certified trace metal release
- Contamination-free dispensing

**Description**

In addition to standard purity, Combitips are also available as Eppendorf Biopur—signifying outstanding biological purity. Eppendorf Biopur® Combitips are guaranteed sterile as well as pyrogen-, RNase-, DNA- and ATP-free. They meet the most stringent demands of the medical, pharmaceutical and food industries, as well as PCR applications, molecular biology and cell technology labs. This purity is ensured through an automated manufacturing process, which safeguards the product against any contamination with biological substances. Individual lot certificates are available at [www.eppendorf.com](http://www.eppendorf.com)

The rotating pipette stand design means that the Multipipette plus is no longer held at the bottom, ruling out potential contamination from being put on a stand. Multipipette, Multipipette plus and Variipette pipettes can likewise be stored in the new pipette carousel. For the electronic Multipipette stream/Xstream a charging stand is available. In addition to the pipette carousel, there is the practical wall-mounted pipette bracket. This allows the Multipipette pipette to always be within reach without wasting any valuable bench space.

## Combitips® plus for Multipette® plus and Multipette® stream/Xstream

## Technical specifications

Combitips plus	Volume min./max.	Increment/step size	Max. dispensing volume	Volume	Inaccuracy*	Imprecision*
<b>for Multipette® plus</b>						
0.1 ml	1 µl 20 µl	1 µl	20 µl	2 µl 20 µl	±1.6% ±1.0%	≤3.0% ≤2.0%
0.2 ml	2 µl 40 µl	2 µl	40 µl	4 µl 40 µl	±1.3% ±0.8%	≤2.0% ≤1.5%
0.5 ml	5 µl 100 µl	5 µl	100 µl	10 µl 100 µl	±0.9% ±0.8%	≤1.5% ≤0.6%
1 ml	10 µl 200 µl	10 µl	200 µl	20 µl 200 µl	±0.9% ±0.6%	≤0.9% ≤0.4%
2.5 ml	25 µl 500 µl	25 µl	500 µl	50 µl 500 µl	±0.8% ±0.5%	≤0.8% ≤0.3%
5 ml	50 µl 1,000 µl	50 µl	1,000 µl	100 µl 1,000 µl	±0.6% ±0.5%	≤0.6% ≤0.25%
10 ml	100 µl 2,000 µl	100 µl	2,000 µl	200 µl 2,000 µl	±0.5% ±0.5%	≤0.6% ≤0.25%
25 ml	250 µl 5,000 µl	250 µl	5,000 µl	500 µl 5,000 µl	±0.4% ±0.3%	≤0.6% ≤0.25%
50 ml	500 µl 10,000 µl	500 µl	10,000 µl	1,000 µl 10,000 µl	±0.3% ±0.3%	≤0.5% ≤0.25%
<b>for Multipette® stream/Xstream</b>						
0.1 ml	1 µl 100 µl	0.1 µl	0.1 ml	10 µl 100 µl	±1.6% ±1.0%	≤2.5% ≤0.5%
0.2 ml	2 µl 200 µl	0.2 µl	0.2 ml	20 µl 200 µl	±1.3% ±1.0%	≤1.5% ≤0.5%
0.5 ml	5 µl 500 µl	0.5 µl	0.5 ml	50 µl 500 µl	±0.9% ±0.9%	≤0.8% ≤0.3%
1 ml	10 µl 1 ml	1 µl	1 ml	100 µl 1,000 µl	±0.9% ±0.6%	≤0.55% ≤0.2%
2.5 ml	25 µl 2.5 ml	2.5 µl	2.5 ml	250 µl 2,500 µl	±0.8% ±0.5%	≤0.45% ≤0.15%
5 ml	50 µl 5 ml	5 µl	5 ml	500 µl 5,000 µl	±0.8% ±0.5%	≤0.35% ≤0.15%
10 ml	100 µl 10 ml	10 µl	10 ml	1,000 µl 10,000 µl	±0.5% ±0.4%	≤0.25% ≤0.15%
25 ml	250 µl 25 ml	25 µl	25 ml	2,500 µl 25,000 µl	±0.3% ±0.3%	≤0.35% ≤0.15%
50 ml	500 µl 50 ml	50 µl	50 ml	5,000 µl 50,000 µl	±0.3% ±0.3%	≤0.5% ≤0.15%

\* The data for imprecision (random measurement error) and inaccuracy (systematic measurement error) according to EN ISO 8655 is valid only when original Eppendorf® Combitips plus are used.

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Dispensing	●	●
Aspiration (pipetting of supernatants)		●
Titration		●
Sequential dispensing		●



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