

NEW: with integrated
step counter



Count on it!

The new Eppendorf Multipipette® M4: simple, stress-free and ergonomic



Serial pipetting made easy

The Multipette M4 makes performing long pipetting series easier and faster. The aspirated liquid can be dispensed up to 100 times without refilling the tip.





How it works

An Eppendorf Combitip advanced, in the required size, is simply attached and automatically recognized via a sensor in the Multipipette M4. The volume is set using the selection dial and is automatically shown in the display. Now all you have to do is aspirate the liquid with the filling lever.

The desired volume can now be dispensed in several steps using the utmost precision. Dispense the same volume up to 100 times without refilling the tip—a logical solution for filling 96-well plates.

The executed dispensing steps are counted using the new step counter feature and shown in the easy-to-read display. After use, the Combitip advanced is simply ejected by pushing a button and disposed of without the risk of contamination or directly touching the tip.

Simple operation, unique flexibility and significant time savings make the Multipipette M4 an important liquid handling tool for both novel research and routine tasks.

Position of the volume selection dial:

| | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 5.5 | 6 | 6.5 | 7 | 7.5 | 8 | 8.5 | 9 | 9.5 | 10 |
|--|--------|--------|--------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|
| Maximum number of dispensing steps: | 100 | 50 | 33 | 25 | 20 | 16 | 14 | 12 | 11 | 10 | 9 | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 5 |
| Possible dispensing volume for each Combitip advanced | | | | | | | | | | | | | | | | | | | | |
| 0.1 mL | 1 µL | 2 µL | 3 µL | 4 µL | 5 µL | 6 µL | 7 µL | 8 µL | 9 µL | 10 µL | 11 µL | 12 µL | 13 µL | 14 µL | 15 µL | 16 µL | 17 µL | 18 µL | 19 µL | 20 µL |
| 0.2 mL | 2 µL | 4 µL | 6 µL | 8 µL | 10 µL | 12 µL | 14 µL | 16 µL | 18 µL | 20 µL | 22 µL | 24 µL | 26 µL | 28 µL | 30 µL | 32 µL | 34 µL | 36 µL | 38 µL | 40 µL |
| 0.5 mL | 5 µL | 10 µL | 15 µL | 20 µL | 25 µL | 30 µL | 35 µL | 40 µL | 45 µL | 50 µL | 55 µL | 60 µL | 65 µL | 70 µL | 75 µL | 80 µL | 85 µL | 90 µL | 95 µL | 100 µL |
| 1.0 mL | 10 µL | 20 µL | 30 µL | 40 µL | 50 µL | 60 µL | 70 µL | 80 µL | 90 µL | 100 µL | 110 µL | 120 µL | 130 µL | 140 µL | 150 µL | 160 µL | 170 µL | 180 µL | 190 µL | 200 µL |
| 2.5 mL | 25 µL | 50 µL | 75 µL | 100 µL | 125 µL | 150 µL | 175 µL | 200 µL | 225 µL | 250 µL | 275 µL | 300 µL | 325 µL | 350 µL | 375 µL | 400 µL | 425 µL | 450 µL | 475 µL | 500 µL |
| 5 mL | 50 µL | 100 µL | 150 µL | 200 µL | 250 µL | 300 µL | 350 µL | 400 µL | 450 µL | 500 µL | 550 µL | 600 µL | 650 µL | 700 µL | 750 µL | 800 µL | 850 µL | 900 µL | 950 µL | 1.0 mL |
| 10 mL | 100 µL | 200 µL | 300 µL | 400 µL | 500 µL | 600 µL | 700 µL | 800 µL | 900 µL | 1.0 mL | 1.1 mL | 1.2 mL | 1.3 mL | 1.4 mL | 1.5 mL | 1.6 mL | 1.7 mL | 1.8 mL | 1.9 mL | 2.0 mL |
| 25 mL* | 250 µL | 500 µL | 750 µL | 1.0 mL | 1.25 mL | 1.5 mL | 1.75 mL | 2.0 mL | 2.25 mL | 2.5 mL | 2.75 mL | 3.0 mL | 3.25 mL | 3.5 mL | 3.75 mL | 4.0 mL | 4.25 mL | 4.5 mL | 4.75 mL | 5.0 mL |
| 50 mL* | 500 µL | 1.0 mL | 1.5 mL | 2.0 mL | 2.5 mL | 3.0 mL | 3.5 mL | 4.0 mL | 4.5 mL | 5.0 mL | 5.5 mL | 6.0 mL | 6.5 mL | 7.0 mL | 7.5 mL | 8.0 mL | 8.5 mL | 9.0 mL | 9.5 mL | 10 mL |

* The 25 mL and 50 mL Combitips advanced can only be used with the supplied adapter.



The right Combitip advanced is always at your fingertips!

9 different volume sizes (0.1 mL–50 mL) for the Combitips advanced, along with the Multipipette M4, offer a unique volume range of 1 µL–10 mL. With 3 different purity grades (Eppendorf Quality, PCR sterile, Biopur®), you will always find the right tip for your application.

The new Eppendorf Multipette® M4— Reaching beyond a pipette's limitations

The ideal precision instrument for completing long pipetting or dispensing series. Even liquids which are difficult to pipette are no match for the Multipette M4.

On the Multipette/Combitip system, volumes are dispensed using the positive displacement principle. The liquid is directly dispensed without an air cushion, ensuring the correct volume is always dispensed regardless of the density,

viscosity and volatility of the liquid. In addition to serial dispensing, the Multipette is also the perfect instrument that is able to go beyond the limitations of a standard pipette.

Innovations at a glance

- > Light and ergonomic
- > Perfectly shaped for large or small hands
- > Weight is well balanced for fatigue-free handling
- > Stress-free work via integrated step counter: dispensing procedures can be continued error-free after an interruption or distraction
- > Central Combitip ejector: fully emptied Combitip can be easily ejected with one hand using the operating lever

Count on it! The clearly arranged and easy-to-read display guarantees stress-free and intuitive operation. In addition to the displayed dispensing volume, the step counter supports error-free filling, for example plates.

The integrated »Sleep« function switches off when the Multipette M4 is not being used, thus reducing energy consumption and saving battery life.



Technical specifications (information refers to the Multipette M4/Combitips advanced system)

| Combitips advanced | Min./max. volume | Increment/step size | Max. dispensing volume | Volume | Systematic error | Random error |
|--------------------|------------------|---------------------|------------------------|----------|------------------|--------------|
| 0.1 mL | 1 µL | 1 µL | 20 µL | 2 µL | ±1.6% | ±3.0% |
| | 20 µL | | | ±1.0% | ±2.0% | |
| 0.2 mL | 2 µL | 2 µL | 40 µL | 4 µL | ±1.3% | ±2.0% |
| | 40 µL | | | ±0.8% | ±1.5% | |
| 0.5 mL | 5 µL | 5 µL | 100 µL | 10 µL | ±0.9% | ±1.5% |
| | 100 µL | | | ±0.8% | ±0.6% | |
| 1 mL | 10 µL | 10 µL | 200 µL | 20 µL | ±0.9% | ±0.9% |
| | 200 µL | | | ±0.6% | ±0.4% | |
| 2.5 mL | 25 µL | 25 µL | 500 µL | 50 µL | ±0.8% | ±0.8% |
| | 500 µL | | | ±0.5% | ±0.3% | |
| 5 mL | 50 µL | 50 µL | 1,000 µL | 100 µL | ±0.6% | ±0.6% |
| | 1,000 µL | | | ±0.5% | ±0.25% | |
| 10 mL | 100 µL | 100 µL | 2,000 µL | 200 µL | ±0.5% | ±0.6% |
| | 2,000 µL | | | ±0.5% | ±0.25% | |
| 25 mL | 250 µL | 250 µL | 5,000 µL | 500 µL | ±0.4% | ±0.6% |
| | 5,000 µL | | | ±0.3% | ±0.25% | |
| 50 mL | 500 µL | 500 µL | 10,000 µL | 1,000 µL | ±0.3% | ±0.5% |
| | 10,000 µL | | | ±0.3% | ±0.3% | |

Multipette® M4 ordering information

| Description | Order number |
|---|--------------|
| 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 |
| Eppendorf TrackIT consisting of software and RFID reader | 3903 000.014 |

Ordering information for Combitips advanced and accessories

| Combitips advanced® | Color coding | Eppendorf Quality box of 100 pcs. (4 bags x 25 pcs.) | PCR clean*1 box of 100 pcs., 4 bags (zip-lock) x 25 pcs. | Eppendorf Biopur®*2 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 |
| 2.5 mL | ■ Green | 0030 089.448 | 0030 089.804 | 0030 089.650 |
| 5 mL | ■ Blue | 0030 089.456 | 0030 089.812 | 0030 089.669 |
| 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 |
| 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 Biopur: batch tested and certified to be sterile and free of: human and bacterial DNA, DNase, RNase, PCR inhibitors, ATP, Pyogen

*3 4 boxes of 25 pcs. each. Each box contains an adapter.

Your local distributor: www.eppendorf.com/contact

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