

Instructions for use
Eppendorf Serological Pipets
English (EN)

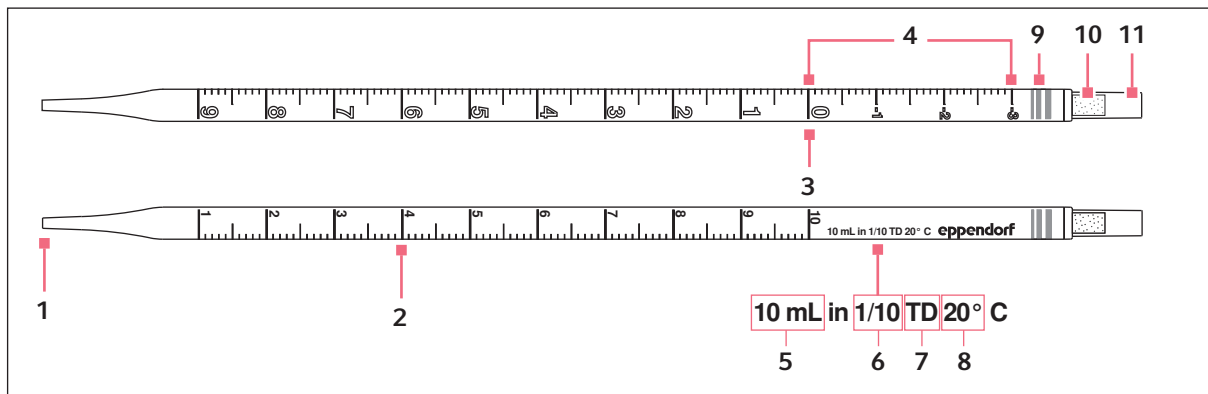
1 Operating instructions

1.1 Using this manual

Before using the consumables for the first time, read these instructions for use and the operating manual of the device that you use the consumables with.

2 Product description

2.1 Main illustration



1 Outlet opening

2 Graduation

3 Zero point

4 Negative graduation

5 Nominal volume

6 Increment

7 Pipette type

8 Test temperature

9 Color code

10 Filter

11 Aspiration area

2.2 Overview of Eppendorf Serological Pipets with color codes

Nominal volume	1 mL	2 mL	5 mL	10 mL	25 mL	50 mL
Color code						
Accuracy [\pm mL]	0.02	0.04	0.1	0.2	0.5	1
Graduation [mL]	0.01	0.02	0.1	0.1	0.2	0.5
Negative graduation [mL]	-0.2	-0.8	-3	-3	-9	-6
Length [mm]	277	277	338	338	343	343
Diameter at the aspiration area [mm]	4.6	6.4	8.2	7.8	8.3	8.3
Max. diameter [mm]				9.9	14.6	18.6

Instructions for useEppendorf Serological Pipets
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Eppendorf Serological Pipets are single-use items for aspirating and dispensing liquids using manual and electronic pipette controllers (e.g., Eppendorf Easypet 3 and Eppendorf Pipet Helper). The pipettes are calibrated to blow-out. The various pipette sizes are marked with a color code.

2.4 Materials

NOTICE! Aggressive substances may damage the Eppendorf Serological Pipets and accessories.

- ▶ Check the resistance to chemicals before using organic solvents or aggressive chemicals.

	Material
Pipette	Polystyrene (PS)
Filter	Polyethylene (PE)/polyester (PES)

2.5 Resistance to chemicals

■■■	Resistant The chemical can be used.
■■	Limited resistance and/or suitable for limited use The chemical can be used for a limited period of time. Dispense immediately after liquid aspiration. Extended contact may damage the Eppendorf Serological Pipets.
■	Unstable Material and printing are unstable. The chemical cannot be used.

Solution	Concentration in %	Resistance
Ammonia solution	25	■■
Acetic acid	12	■
Caustic soda	20	■
Nitric acid	65	■
Sulfuric acid	16	■
Acetone		■
Acetonitrile		■
Chloroform		■
Dimethyl sulfoxide	100	■■■
Ethanol	70	■■
Isoamyl alcohol		■■
Isopropanol	70	■■

Solution	Concentration in %	Resistance
Methanol		■
Formaldehyde	37	■■
Glutaraldehyde		■■■
Glycerol	99.6	■■■■
Triton X-100	1	■■■■
DMEM		■■■■
Fetal bovine serum		■■■■
Water		■■■■

3 Safety

3.1 Intended use

In combination with pipette controllers Eppendorf Serological Pipets are intended for dispensing liquids within a volume range of 0.1 mL to 50 mL.

Eppendorf Serological Pipets can be used for training, routine and research laboratories in the areas of life sciences, industry or chemistry. This product is intended to be used for research purposes only. Eppendorf does not provide a warranty for other applications. Not suitable for use in diagnostic or therapeutic applications. Eppendorf Serological Pipets may only be used by skilled personnel who have been trained in the areas mentioned above.

The user must carefully read the instructions for use and the operating manual of the pipette controller used and become familiar with how the device works.

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3.2 Warnings for intended use



WARNING! Damage to health from toxic, radioactive or aggressive chemicals as well as infectious liquids and pathogenic germs.

- ▶ Observe the national regulations for handling these substances, the biological security level of your laboratory, the material safety data sheets and the manufacturer's application notes.
- ▶ Wear personal protective equipment.
- ▶ For full instructions regarding the handling of germs or biological material of risk group II or higher, please refer to the "Laboratory Biosafety Manual" (Source: World Health Organization, current edition of the Laboratory Biosafety Manual).



Eppendorf Serological Pipets are not autoclavable.

4 Operation



To ensure maximum protection against contamination use Eppendorf Serological Pipets immediately after opening the packing.

1. Open the packing at the location indicated.
2. Insert the pipette carefully into the corresponding opening of the pipette controller until the pipette seals airtight.
3. Immerse the pipette into the liquid.
4. Fill the pipette up to above the desired dispensing volume.
5. Set the lower meniscus to the desired dispensing volume.
6. Wipe the pipette on the inner wall of the source vessel and remove it.
7. Hold the pipette vertically and place it against the inner wall of the destination vessel.
8. Allow liquid to flow out.
9. Blow out residual volume.



- Observe the lower meniscus while dispensing.

5 Technical data

5.1 Ambient conditions

Air temperature	Relative humidity	Atmospheric pressure
5 °C – 40 °C	10 % – 95 %	70 kPa – 106 kPa

5.2 Transport

	Air temperature	Relative humidity	Atmospheric pressure
General transport	-25 °C – 60 °C	10 % – 95 %	30 kPa – 106 kPa
Air freight	-40 °C – 45 °C	10 % – 95 %	30 kPa – 106 kPa

5.3 Storage

	Air temperature	Relative humidity	Atmospheric pressure
In transport packaging	-25 °C – 55 °C	10 % – 95 %	70 kPa – 106 kPa
Without transport packaging	-5 °C – 45 °C	10 % – 95 %	70 kPa – 106 kPa

6 Purity grades and certificates

6.1 Purity

Eppendorf Serological Pipets are sterile, free of pyrogens, RNase, DNase, DNA, and not cytotoxic.

You can find the date of expiry on the label of the folding box and on the blister packing.

6.2 Certificates

You can download various certificates for Eppendorf consumables from our webpage www.eppendorf.com/consumables.

- Lot-specific certificates:
For Eppendorf Consumables lot-specific certificates are available. You can find the lot number on the label of the folding box and on the blister packing of the single-use item.
- General certificates of conformity
- ISO Certificates

7 Ordering information

7.1 Serological pipettes

Order no. (International)	Order no. (North America)	Description
0030 127.692	0030127692	Eppendorf Serological Pipet, 1 mL 4 boxes of 200 (800 pieces)
0030 127.706	0030127706	Eppendorf Serological Pipet, 2 mL 4 boxes of 150 (600 pieces)
0030 127.714	0030127714	Eppendorf Serological Pipet, 5 mL 4 boxes of 100 (400 pieces)
0030 127.722	0030127722	Eppendorf Serological Pipet, 10 mL 4 boxes of 100 (400 pieces)
0030 127.730	0030127730	Eppendorf Serological Pipet, 25 mL 4 boxes of 50 (200 pieces)
0030 127.749	0030127749	Eppendorf Serological Pipet, 50 mL 4 boxes of 40 (160 pieces)

7.2 Pipette controllers

Order no. (International)	Order no. (North America)	Description
4430 000.018	–	Easypet 3 Incl. power supply, wall mount, depositing stand, 2 membrane filters (unsterile) 0.45 µm
–	4430000026	Easypet 3 Incl. power supply, wall mount, 2 membrane filters (unsterile) 0.45 µm
4423 000.010	4423000010	Eppendorf Pipet Helper