eppendorf

Pipette Holder System

Pipette carousel 2
Pipette stand 2

Instructions for Use

3116 900 016-02/2025-09

Table of contents

1 About this manual

1.1 Notes on this manual

This document supplements the operating manual for the product. This document does not replace the operating manual.

1. Before using the product, read this document.
2. Also read the operating manual for the device with which you are using the accessory.

The dates in this manual correspond to the international date format as specified in the ISO 8601 standard. All dates are shown in the format YYYY-MM-DD or YYYY-MM.

1.2 Other applicable documents

The following documents supplement this manual:

- Manual for the corresponding pipettes
- Manual for the corresponding dispenser
- Manual for the Pipette Holders

2 Safety

2.1 Intended use

Pipette carousel

The pipette carousel is suitable for holding six Eppendorf dosing devices (single-channel pipettes, multi-channel pipettes, or dispensers). The pipette carousel has no loading function and cannot be autoclaved.

Pipette Stand

The Pipette Stand is suitable for holding one Eppendorf dosing device (single-channel pipette, multi-channel pipette, or dispenser). The Pipette Stand has no loading function and cannot be autoclaved.

2.2 Residual risks when used as intended

2.2.1 Material damage

2.2.1.1 Incorrect handling

Aggressive substances may damage components, consumables and accessories.

- Check chemical resistance before using organic solvents and aggressive chemicals.
- Check compatibility with the materials used.
- Only use liquids whose vapors do not attack the materials used.

Leaking liquid can cause material damage to the pipette carousel or Pipette Stand.

- Insert a pipette without pipette tip.
- Insert a dispenser without a dispenser tip.

If the pipette carousel or the Pipette Stand falls over, the inserted dosing devices and the pipette carousel may be damaged.

- Place the pipette carousel on a stable, horizontal surface.
- Place the Pipette Stand on a stable, horizontal surface.

3 Product description

3.1 Features

The pipette carousel has the following features:

- For up to 6 dosing devices (single-channel pipettes, multi-channel pipettes, or dispensers)
- Dosing devices are safely stored
- Rotating carousel
- Pipette Holders that can be used on both sides
- Replaceable Pipette Holders
- Carrying handle
- Stability due to rubber feet
- Space-saving

The Pipette Stand has the following features:

- For one dosing device (single-channel pipette, multi-channel pipette, or dispenser)
- The dosing device is safely stored
- Exchangeable Pipette Holder
- Stability due to rubber feet
- Space-saving

3.2 Product overview

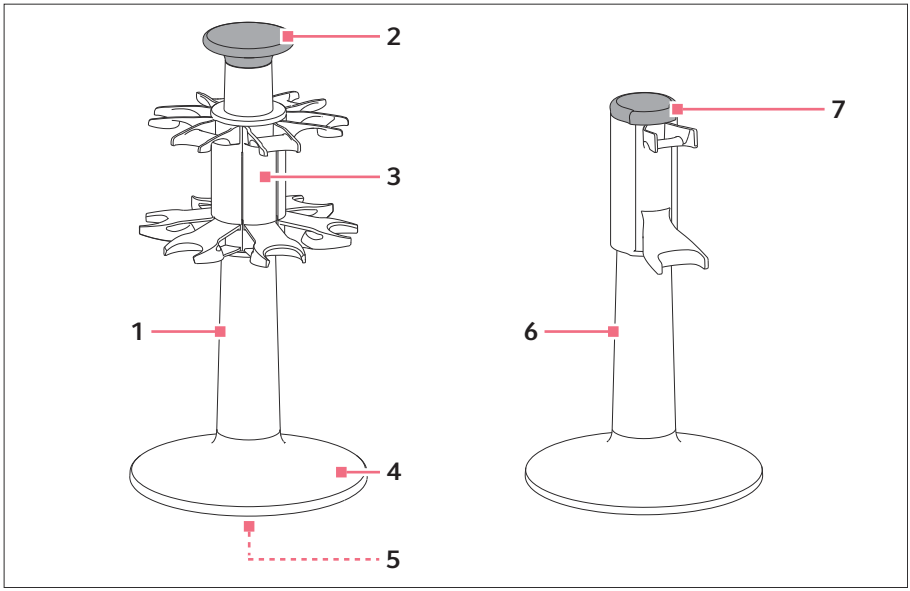


Fig. 3-1: Pipette carousel and Pipette Stand

1	Pipette carousel	5	Feet
2	Carrying handle	6	Pipette Stand
3	Pipette Holder	7	Lid
4	Base		

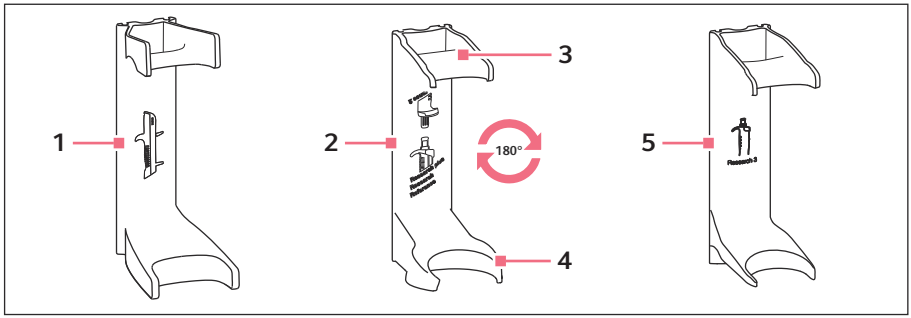


Fig. 3-2: Pipette Holder for mechanical dosing devices

1 Pipette Holder for Multipette/Repeater M4

2 Two-sided Pipette Holder

3 Side for Reference 2

4 Side for Research plus, Research, and Reference

5 Pipette Holder for Research 3

4 Functional description

Dosing devices

Suitable mechanical dosing devices:

- Multipette/Repeater M4
- Reference 2, Reference, Biomaster
- Research plus, Research
- Research 3

Pipette Stand

The Pipette Stand can hold one Eppendorf dosing device (single-channel pipette, multi-channel pipette, or dispenser). Depending on the dispensing device, the suitable Pipette Holder can be used.

Pipette carousel

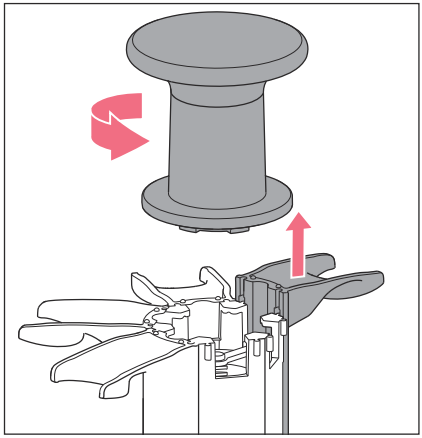
The pipette carousel can hold 6 Eppendorf dosing devices (single-channel pipettes, multi-channel pipettes, or dispensers). Depending on the dosing device, the suitable mechanical Pipette Holder can be used. The electronic charger shells can also be used. The charging contacts are without function and the electronic dosing device must be connected to the power supply. The pipette carousel can be safely turned, moved and transported using the carrying handle.

Pipette Holder

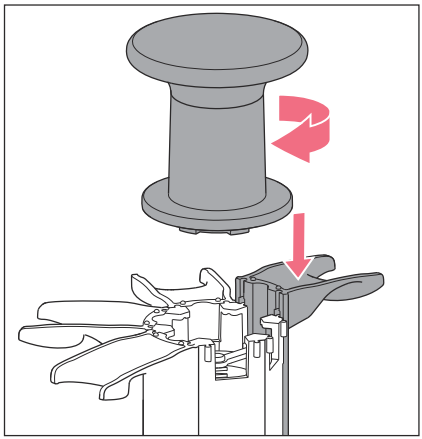
There is a suitable Pipette Holder for each dosing device or a Pipette Holder is double-sided and fits two dosing devices. Each side is printed with a matching symbol and name. The Pipette Holders are suitable for mechanical dosing devices without loading function.

5 Installation

Changing the Pipette Holder – pipette carousel



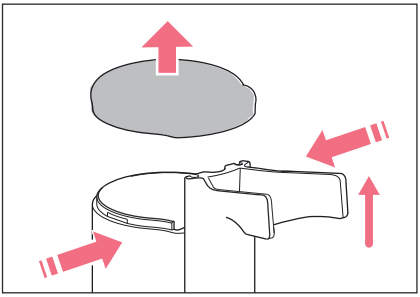
1. Turn the carrying handle to the left and remove it.
2. Hold the pipette carousel and remove the Pipette Holder by lifting it upwards.



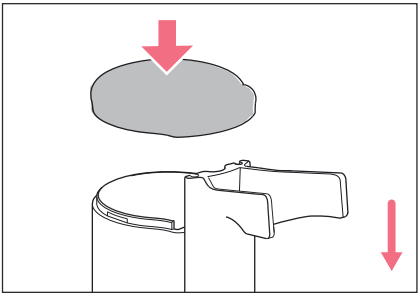
3. Hang the Pipette Holder into the guide from above.
4. Push against the Pipette Holder from below.
5. Slide the Pipette Holder downwards until the lugs engage.
6. Attach the carrying handle and pull it tight to the right.

   The bayonet catch engages.

Changing the Pipette Holder - Pipette Stand



1. Press the housing together underneath the lid and remove the lid.
2. Hold the Pipette Stand and remove the Pipette Holder by lifting it upwards.



3. Hang the new Pipette Holder into the guide from above.
4. Push against the Pipette Holder from below.
5. Slide the Pipette Holder downwards until the lugs engage at the bottom.
6. Attach the lid.

6 Maintenance

6.1 Decontamination

6.1.1 Cleaning the Pipette Holder system

- Wipe off any contamination with a damp cloth and mild cleaning agent.

6.1.2 Sterilizing the Pipette Holder system

Treatment with UV light deactivates microorganisms on the outer surface. Typically, a UV lamp is used in a biosafety cabinet.

This may lead to permanent discoloration of the material. This discoloration does not affect the functionality or lifetime of the system.

Prerequisites:

- UV lamp (mercury-vapor lamp), 30 W, 254 nm

1. Sterilize the Pipette Holder system at a distance of 60 cm.

6.1.3 Sterilizing the Pipette Holder system with H_2O_2 fumigation

Treatment with H_2O_2 gas deactivates microorganisms on the external surfaces and on the internal surfaces, as far as they can be reached by the gas. Pipette Holder systems are typically gassed as part of the maintenance of biological safety cabinets. Alternatively, special devices for H_2O_2 fumigation can be used. The materials and function are not affected by the H_2O_2 fumigation with a concentration of up to 500 ppm and up to 3 h contact time per sterilization process.

7 Disposal

Preparing disposal according to legal regulations

For information on the legal regulations that apply in your country, contact your local authority and your Eppendorf partner.

Dispose of non-decontaminable devices as hazardous waste.

1. Check which legal regulations apply to disposal in your country.
2. Choose a certified waste disposal company or contact your Eppendorf partner.

8 Technical data

8.1 Materials

Component	Material
Carrying handle	• Acrylonitrile styrene acrylate with Polycarbonate (ASA/PC)
Pipette Holder	• Acrylonitrile styrene acrylate with Polycarbonate (ASA/PC)
Outer surfaces	• Acrylonitrile styrene acrylate with Polycarbonate (ASA/PC)
Foot plate	• Stainless steel 1.4301
Feet	• Silicone

8.2 Ambient conditions

Storage

Store the Pipette Holder system in a dry place and protect it from sunlight and UV light.

8.3 Chemical resistance

8.3.1 General conditions

The following general conditions apply:

- The resistance values listed in the following tables are derived from storage of the test material in the liquid for 24 h. These values only apply to handling and cleaning at ambient temperature.
- The test material is tested in the respective liquid for 24 h.
- The chemical resistance values refer exclusively to the materials used in the device, accessories, or consumables.
- The chemical resistance values are not transferable to other products.

8.3.2 Acids and alkalis

Designation	Concentration	ASA + PC	Silicone	Steel 1.4301
Ammonia solution	25%	■■■	■■■	■■ (2)
Ammonia solution	2%	■■■	■■■	■■ (2)
Acetic acid	96%	■■ (2)	■■■	■■■
Acetic acid	12%	■■■	■■■	■■■
Caustic soda	20%	■	■■■	■■■
Caustic soda	4%	■■ (2)	■■■	■■■
Perchloric acid	10%	■■■	■■■	■
Nitric acid	65%	■■ (2)	■	■■ (2)
Nitric acid	6.3%	■■■	■■■	■■ (2)
Hydrochloric acid	32%	■■■	■■■	■
Hydrochloric acid	3.6%	■■■	■■■	■
Sulfuric acid	96%	■■ (2)	■	■■ (2)
Sulfuric acid	16%	■■■	■■■	■■ (2)
Trichloroacetic acid	40%	■	■■■	■■ (2)
Trichloroacetic acid	10%	■	■■■	■■■
Trifluoroacetic acid (TFA)	100%	■	■	■
Trifluoroacetic acid (TFA)	10%	■	■■■	■■ (2)

8.3.3 Organic solvents

Designation	Concentration	ASA + PC	Silicone	Steel 1.4301
Acetone	≥ 99.8%	■	■■■	■■■
Acetonitrile	≥ 99.9%	■	■■■	■■■
Trichloromethane (chloroform)	—	■	■■ (7)	■■■
Dichloromethane (methylene chloride)	≥ 99.5%	■	■■ (7)	■■ (2)
Diethyl ether	≥ 99%	■■ (2)	■■ (7)	■■■
Dimethyl sulfoxide (DMSO)	100%	■	■■■	■■■
Dimethyl sulfoxide (DMSO)	50%	■■■	■■■	■■■
Dimethyl sulfoxide (DMSO)	10%	■■■	■■■	■■■
Acetic acid ethyl ester	≥ 99%	■	■■ (7)	■■ (2)
Ethanol (denatured)	96%	■■■	■■■	■■■
Formaldehyde	37%	■■■	■■■	■■ (2)
Isoamyl alcohol	≥ 98%	■■ (2)	■■■	■■■
Isopropanol	99.8%	■■■	■■■	■■■
Methanol	99.9%	■■■	■■■	■■■
Phenol (water-saturated)	—	■	■■■	■■ (2)
Petroleum ether	—	■■ (2)	■■ (7)	■■■
Toluol	—	■	■■ (7)	■■ (2)

8.3.4 Cleaning- and decontamination agents

Designation	Concentration	ASA + PC	Silicone	Steel 1.4301
Biocidal ZF	—	■■ (2)	■■■	■■ (2)
COUNT-OFF Liquid Concentrat	2%	■■■	■■■	■■ (2)
COUNT-OFF Surface Cleaner	—	■■■	■■■	■■ (2)
Dismozon pur (peroxide-based)	4%	■■■	■■■	■■■
DNA *AWAY*	—	■■■	■■■	■■■
DNA-ExitusPlus	—	■■■	■■■	■■■
Ethanol	70%	■■■	■■■	■■■
Formaldehyde	6%	■■■	■■■	■■ (2)
Helipur (phenol-based)	6%	■■■	■■■	■■ (2)
Hexaquart pure (QAV-based)	5%	■■■	■■■	■■■
Isopropanol	70%	■■■	■■■	■■■
Korsolex basic (aldehyde-based)	5%	■■■	■■■	■■■
Meliseptol (alcohol-based)	—	■■■	■■■	■■■
Sodium hypochlorite	10%	■■■	■■■	■■ (2)
Sodium hypochlorite	6%	■■■	■■■	■■■
RNase AWAY	—	■■■	■■■	■■ (2)
RNase-ExitusPlus	—	■■■	■■■	■■■
Hydrogen peroxide	35%	■■■	■■■	■■ (2)
Hydrogen peroxide	6%	■■■	■■■	■■■

8.3.5 Saline solutions, buffers, wetting agents, oils, and other solutions

Designation	Concentration	ASA + PC	Silicone	Steel 1.4301
Cesium chloride (saturated)	1.86 g/mL	■■■	■■■	■
(Fehling's I solution)	7%	■■■	■■■	■■■
EDTA (pH 8)	0.5 mol/L	■■■	■■■	■■ (2)
Ficoll (Polysaccharide)	1.077 g/mL	■■■ (3)	■■■	■■■
Formamide	50%	■■■	■■■	■■ (2)
Glutaraldehyde	25%	■■■ (3)	■■■	■
Glycerol	50%	■■■	■■■	■■■
Guanidine hydrochloride	6 mol/L	■■■	■■■	■
Guanidinium thiocyanate	4 mol/L	■■■	■■■	■■ (2)
Mineral oil	—	■■■	■■■	■■ (2)
Sodium acetate(pH 5.2)	2 mol/L	■■■	■■■	■■ (2)
Paraffin oil	—	■■■	■■■	■■ (2)
Sodium dodecyl sulfate (SDS)	1%	■■■	■■■	■■■
TRIS buffer (pH 7.5)	1 mol/L	■■■	■■■	■■■
Triton X-100	1%	■■■	■■■	■■■
Tween 20	1%	■■■	■■■	■■■
Water	—	■■■	■■■	■■■

Grading criteria

■■■	Resistant	Chemical can be used.
■■	Partially resistant	Chemical can be used for a limited time.
■	Not resistant	Risk and wear are increased. The chemical must be used with extreme caution.

Explanations to the footnotes

(2)	External discoloration. The function is not impaired.
(3)	Dried residues are difficult to remove.
(7)	Temporary swelling behavior when solvent is absorbed on contact.

9 Ordering information

9.1 Pipette carousel 2

Description	Order no.
Pipette Carousel 2 with 6 holders for Eppendorf Research®, Research plus, Reference, Reference 2, Biomaster® pipettes or epMotion® Tip Tools additional pipette holders, compatible with other Eppendorf pipettes and dispensers, are sold separately	3116 000 015
Pipette Carousel 2, white with 6 holders for Eppendorf Research® 3 pipettes additional pipette holders, compatible with other Eppendorf pipettes and dispensers, are sold separately	3116 000 236

9.2 Pipette Stand 2

Description	Order no.
Pipette Stand 2 with pipette holder for one Multipette® M4 multi-dispenser, without charging function additional pipette holders, compatible with other Eppendorf pipettes and dispensers, are sold separately	3116 000 058

9.3 Pipette Holder

Description	Order no.
Pipette Holder 2 for one Eppendorf Research®, Research plus, Eppendorf Reference®, Reference 2, Biomaster® pipette or epMotion® Tip Tool for Pipette Carousel 2, Charger Carousel 2, Pipette Stand 2 or wall mounting, sticky tape included, without charging function	3116 000 112
for one Eppendorf Xplorer®, Xplorer plus or Xplorer plus Move It® electronic pipette for Pipette Carousel 2, Charger Carousel 2, Pipette Stand 2 or wall mounting, sticky tape included, without charging function	3116 000 120

Description	Order no.
for one Multipette® E3/E3x or Multipette® stream/Xstream electronic multi-dispenser for Pipette Carousel 2, Charger Carousel 2, Pipette Stand 2 or wall mounting, sticky tape included, without charging function	3116 000 139
for one Multipette® M4 multi-dispenser for Pipette Carousel 2, Charger Carousel 2, Pipette Stand 2 or wall mounting, sticky tape included, without charging function	3116 000 147
Pipette Holder 2, white for one Eppendorf Research® 3 pipette for Pipette Carousel 2, Charger Carousel 2, Pipette Stand 2 or wall mounting, sticky tape included	3116 000 295

9.4 Charger carousel 2

Description	Order no.
Charger Carousel 2 with 6 charger shells for Eppendorf Xplorer®, Xplorer plus or Xplorer plus Move It® electronic pipettes and mains/power adapter additional charger shells and holders, compatible with other Eppendorf pipettes and dispensers, are sold separately	3116 000 023

9.5 Charger stand 2

Description	Order no.
Charger Stand 2 with charger shell for one Eppendorf Xplorer®, Xplorer plus or Xplorer plus Move It® electronic pipette operated with mains/power adapter supplied with Eppendorf electronic pipettes and dispensers	3116 000 031
with charger shell for one Multipette® E3/E3x or Multipette® stream/Xstream electronic multi-dispenser operated with mains/power adapter supplied with Eppendorf electronic pipettes and dispensers	3116 000 040

9.6 Charger shell

Description	Order no.
Charger Shell 2	
for one Eppendorf Xplorer®, Xplorer plus or Xplorer plus Move It® electronic pipette	
for Charger Carousel 2 or Charger Stand 2, with charging function	3116 602 007
for one Multipette® E3/E3x or Multipette® stream/Xstream electronic multi-dispenser	
for Charger Carousel 2 or Charger Stand 2, with charging function	3116 603 003

9.7 Pipette marking rings

Description	Order no.
ColorTag pipette marking rings	
for all Eppendorf 10 mL pipette lower parts, Multipette® M4 and E3/E3x dispensers, Easypet® 3 pipette controller grip and Pipette Carousels & Stands	
light blue, inner diameter: 34 mm, 5 pcs.	3102 663 000
light green, inner diameter: 34 mm, 5 pcs.	3102 663 001
light yellow, inner diameter: 34 mm, 5 pcs.	3102 663 002
light orange, inner diameter: 34 mm, 5 pcs.	3102 663 003
light pink, inner diameter: 34 mm, 5 pcs.	3102 663 004
light violet, inner diameter: 34 mm, 5 pcs.	3102 663 005
neon blue, inner diameter: 34 mm, 5 pcs.	3102 663 010
neon green, inner diameter: 34 mm, 5 pcs.	3102 663 011
neon yellow, inner diameter: 34 mm, 5 pcs.	3102 663 012
neon orange, inner diameter: 34 mm, 5 pcs.	3102 663 013
neon pink, inner diameter: 34 mm, 5 pcs.	3102 663 014
neon magenta, inner diameter: 34 mm, 5 pcs.	3102 663 015

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