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# Easypet<sup>®</sup> 3

Operating Manual

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## 1 Operating instructions







### 1.1 Using this manual

- ▶ Read this operating manual completely before using the device for the first time. Observe the instructions for use of the accessories where applicable.
- ▶ This operating manual is part of the product. Please keep it in a place that is easily accessible.
- ▶ Enclose this operating manual when transferring the device to third parties.
- ▶ The current version of the operating manual for all available languages can be found on our webpage [www.eppendorf.com/manuals](http://www.eppendorf.com/manuals).

### 1.2 Danger symbols and danger levels

#### 1.2.1 Danger symbols


The safety instructions in this manual have the following danger symbols and danger levels:

	<b>Biohazard</b>		<b>Explosion</b>
	<b>Cuts</b>		<b>Toxic substances</b>
	<b>Hazard point</b>		<b>Material damage</b>

#### 1.2.2 Danger levels

<b>DANGER</b>	Will lead to severe injuries or death.
<b>WARNING</b>	May lead to severe injuries or death.
<b>CAUTION</b>	May lead to light to moderate injuries.
<b>NOTICE</b>	May lead to material damage.

### 1.3 Symbols used

Depiction	Meaning
1. 2.	Actions in the specified order
▶	Actions without a specified order
•	List
<i>Text</i>	Display or software texts
	Additional information

## 2 **Safety**

### 2.1 **Intended use**

The pipetting aid is intended for dispensing liquids. In-vivo applications (in or on the human body) are not allowed.

The pipetting aid may only be operated by skilled personnel who have received the appropriate training. All users must have read the operating manual carefully and must have become familiar with the device's mode of operation.

### 2.2 **Warnings for intended use**

---



#### **WARNING! Damage to health due to infectious liquids and pathogenic germs.**

- ▶ When handling infectious liquids and pathogenic germs, observe the national regulations, the biosafety level of your laboratory, and the manufacturers' Safety Data Sheets and application notes.
- ▶ Wear your personal protective equipment.
- ▶ Consult the "Laboratory Biosafety Manual" (source: World Health Organization, Laboratory Biosafety Manual, as amended) for comprehensive regulations on the handling of germs or biological material of risk group II or higher.



#### **WARNING! Risk of explosion due to explosive atmospheres and/or substances.**

- ▶ Do not use the Easypet 3 in explosive atmospheres.
- ▶ Do not operate the Easypet 3 in rooms where explosive substances are handled.
- ▶ Do not use the Easypet 3 to dispense explosive, readily flammable (flash point < 21 °C), highly flammable (flash point < 0 °C) or highly reactive substances.
- ▶ Do not use the Easypet 3 for dispensing substances which could generate an explosive atmosphere.



#### **WARNING! Damage to health due to toxic, radioactive or aggressive chemicals.**

- ▶ Wear your personal protective equipment.
- ▶ Observe the national regulations for handling these substances.
- ▶ Observe the manufacturers' Safety Data Sheets and application notes.



**CAUTION! Poor safety due to incorrect accessories and spare parts.**

The use of accessories and spare parts other than those recommended by Eppendorf may impair the safety, functioning and precision of the device. Eppendorf cannot be held liable or accept any liability for damage resulting from the use of accessories and spare parts other than those recommended or from improper use.

- ▶ Only use accessories and original spare parts recommended by Eppendorf.



**CAUTION! Danger to people due to grossly negligent use.**

- ▶ Only initiate liquid dispensing if it is safe to do so.
- ▶ For all dispensing tasks, make sure that you are not endangering yourself or anyone else.



**NOTICE! Damage to device due to penetration of liquid.**

- ▶ Only immerse the serological pipette into the liquid.
- ▶ Do not put the pipette controller down when the serological pipette tip is filled.
- ▶ The pipette controller itself may not come into contact with the liquid.



**NOTICE! Damage to device due to missing serological pipette.**

- ▶ Use the Easypet 3 only if a serological pipette has been inserted.



If you would like to dispense highly or extremely flammable liquids, we recommend using a positive displacement system consisting of manual Multipettes/Repeaters and Combitips. Check the chemical resistance and observe the safety notes before using the Multipette/Repeater.

**8** **Product description**  
Easypet® 3  
English (EN)

**3** **Product description**  
**3.1** **Delivery package**

Quantity	Description
1	Easypet 3
1	Lithium-polymer battery
2	Unsterile membrane filter (0.45 µm)
1	Wall mount
1	Shelf stand
1	Universal power supply unit
1	Operating manual
1	Short instructions

**3.2** **Features**

The Easypet 3 is a battery-operated pipette controller. You can use glass or plastic serological pipettes in a volume range of 0.1 mL to 100 mL.

A pump generates negative or positive pressure to aspirate or dispense the liquid. Alternatively, the liquid can be dispensed solely via atmospheric pressure.

Pressing the control buttons to various degrees regulates the aspiration and dispensing speed.



### 3.3 Product overview

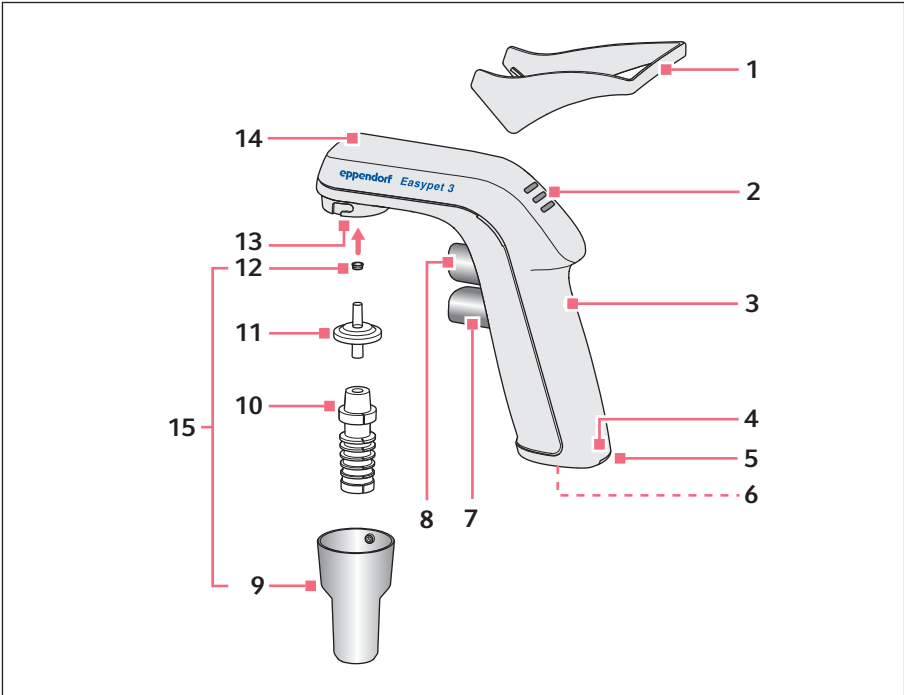


Fig. 3-1: Easypet 3 with accessories

- |  |                                  |
|--|----------------------------------|
| 1 Shelf stand                          | 9 Aspirating cone                |
| 2 Battery status display               | 10 Pipette adapter               |
| 3 RFID chip                            | 11 Membrane filter               |
| 4 Serial number                        | 12 Seal for filter adapter       |
| 5 Rechargeable battery compartment lid | 13 Filter adapter                |
| 6 Connector socket                     | 14 Pressure compensation opening |
| 7 Dispensing button                    | 15 Pipette clamp                 |
| 8 Aspiration button                    |                                  |

**Product description**

Easypet® 3  
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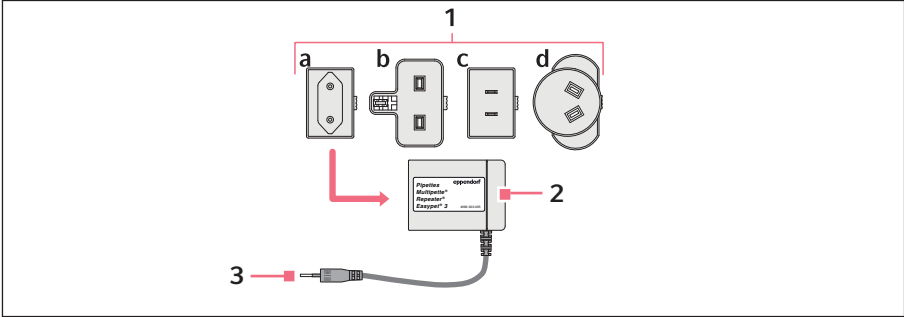
**3.4 Mains/power supply device and power plug adapter**

Fig. 3-2: Mains/power supply device with adapters

**1 Power plug adapter**

- a Europe
- b Great Britain
- c USA
- d Australia

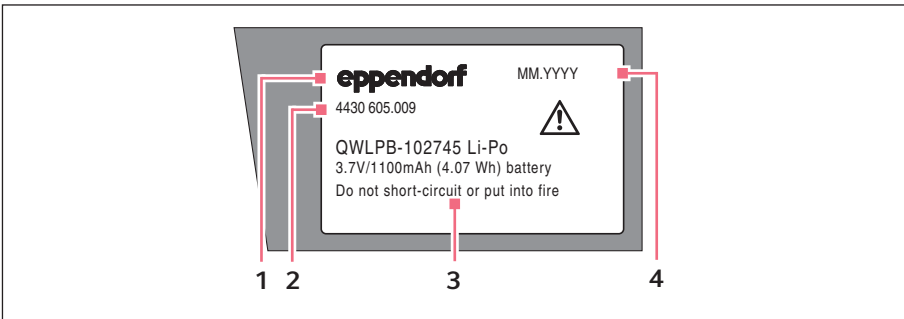
**3 Charging plug****2 Mains/power supply device****3.5 Rechargeable battery**

Fig. 3-3: Original rechargeable battery from Eppendorf – front

**1 Eppendorf logo****2 Order no.****3 Technical specifications****4 Production date**

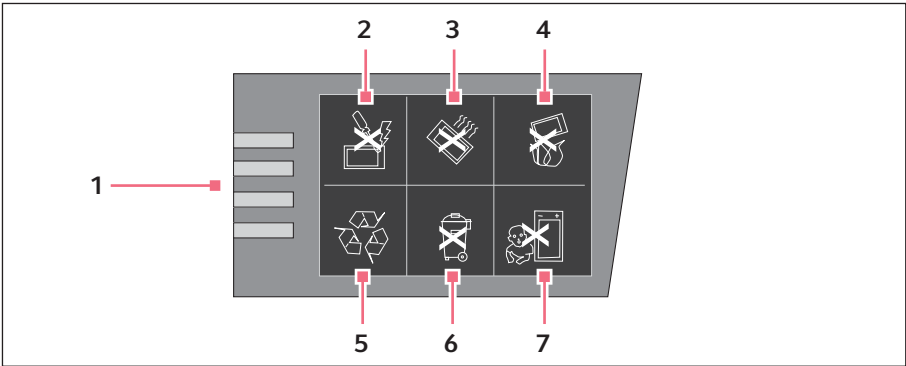


Fig. 3-4: Rear side

- |  |   |
|--|---|
| <b>1</b> Contacts                          | <b>5</b> Recycle the rechargeable battery               |
| <b>2</b> Do not short circuit the contacts | <b>6</b> Do not dispose of together with domestic waste |
| <b>3</b> Do not heat above 60 °C           | <b>7</b> Not suitable for small children                |
| <b>4</b> Do not expose to fire             |   |

**Product description**

Easypet® 3  
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**3.6 Pipette types**

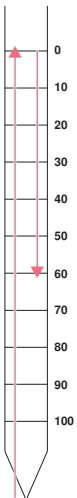
Measuring pipettes and volumetric pipettes are divided into 3 classes: A, AS and B. Class A and AS pipettes are more precise than Class B pipettes. They vary according to the elapse time. The elapse time depends on the nominal volume and the design of the pipette. Class AS pipettes are quick-drain pipettes.

Volumetric pipettes have 1 or 2 marks and are adjusted to flow-out. Measuring pipettes have a scale and are divided into 4 types.

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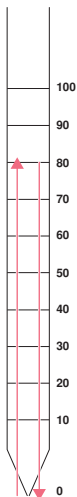
**Type 1 measuring pipette**

---



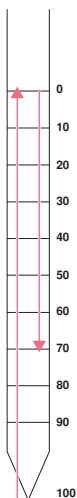
- Adjusted to flow-out.
  - Nominal volume is indicated by the lowest scale graduation.
  - Aspiration up to the zero line at the upper end of the pipette.
  - Dispensing to any scale graduation on the scale.
-

### Type 2 measuring pipette



- Adjusted to flow-out.
- Nominal volume is indicated by the top scale graduation.
- Aspiration to any scale graduation on the scale.
- Dispensing until the pipette is completely empty.

### Type 3 and type 4 measuring pipette



#### Measuring pipette

- Adjusted to flow-out.
- Nominal volume is indicated by the tip of the pipette.
- Aspiration up to the zero line at the upper end of the pipette.
- Dispensing to any scale graduation on the scale or until the pipette is completely empty.

#### Type 4 measuring pipette

- Adjusted to blow-out.
- Nominal volume is indicated by the tip of the pipette.
- Aspiration up to the zero line at the upper end of the pipette.
- Dispensing to any scale graduation on the scale or until the pipette is completely empty.
- Dispensing the last drops using blow-out.
- Blow-out pipettes are only available in accuracy class B.

**Product description**

Easypet® 3  
English (EN)

**3.7 Materials**

**NOTICE! Aggressive substances may damage components, consumables and accessories.**

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

The pipetting aid assemblies are composed of the following materials:

<b>Component</b>	<b>Material</b>
Housing, aspirating cone, aspiration button, dispensing button, membrane filter housing, wall holder, shelf stands	Polypropylene (PP)
Filter adapter	Polybutylene terephthalate (PBT)
Pipette adapter	Silicone
Filter membrane	Polytetrafluoroethylene (PTFE)
Seal for filter adapter	Hydrated acrylonitrile butadiene rubber (HNBR)
Tubes and valves	Polymer fluorine rubber (FKM), polybutylene terephthalate (PBT), polyphenylene sulfide (PPS), silicone
Battery status display	Cyclic olefin copolymer (COC)

**3.8 Warranty**

For warranty claims, please contact your local Eppendorf sales partner. If the housing of the pipetting aid is opened by unauthorized individuals, or the device is misused, no warranty claim may be made. The rechargeable battery and all other wear parts are excluded from the warranty.

## 4 Installation

### 4.1 Preparing installation

- ▶ Use the delivery package details to check that the delivery is complete.
- ▶ Check all parts for any transport damage.
- ▶ Keep the transport carton and the packing material for subsequent safe transport or storage.

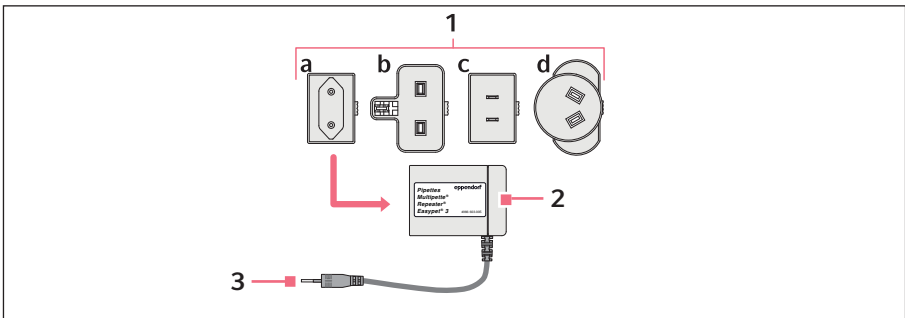
### 4.2 Mains/power supply device assembly



**WARNING! Incorrect or damaged mains/power supply devices can cause severe personal injury and damage to the device.**

Incorrect or damaged mains/power supply devices may cause electric shock, overheat the device, set it on fire, melt it, short-circuit it or cause similar damage.

- ▶ Only use the mains/power supply device which is included in the delivery to charge the device. You can identify the correct mains/power supply device by the Eppendorf logo and the device name on the mains/power supply device.
- ▶ Do not use damaged mains/power supply devices.



**1 Power plug adapter**

- a EU
- b United Kingdom
- c USA
- d Australia

**3 Charging plug**

**2 Mains/power supply device**

#### 4.2.1 Identifying the mains/power supply device

The original mains/power supply device from Eppendorf is labeled with the compatible dosing devices, the order number and the Eppendorf logo.



#### 4.2.2 Inserting the power plug adapter

1. Select the appropriate power plug adapters for the mains/power line.
2. Push the power plug adapter on the mains/power supply device until it locks into place.

#### 4.2.3 Replace the power plug adapter.

1. Press and hold down the release on the mains/power supply device.
2. Disconnect the power plug adapter.
3. Select the appropriate power plug adapters for the mains/power line.

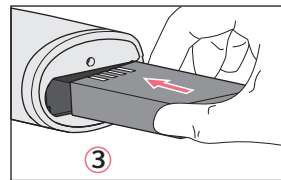
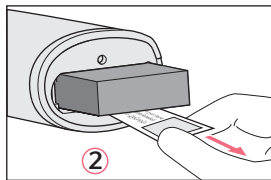
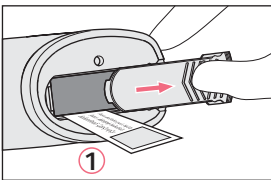


### 4.3 Removing the discharge protector



**WARNING! Personal injury due to incorrect handling of the rechargeable battery.**

- ▶ Only use rechargeable batteries supplied by Eppendorf.
- ▶ Never pierce, crush or throw the rechargeable battery.
- ▶ Only use the rechargeable battery in the supplied device.
- ▶ Do not touch a leaking rechargeable battery.
- ▶ Do not use a damaged rechargeable battery.
- ▶ Dispose of rechargeable batteries in accordance with the legal requirements.





Proceed as follows:


1. Slide the battery compartment lid open.
2. Remove the rechargeable battery and then remove the discharge protection.
3. Insert the rechargeable battery.
4. Slide the rechargeable battery compartment lid shut.

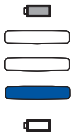
### 4.4 Rechargeable battery status display during operation

#### 4.4.1 The device is ready for operation

- 

The rechargeable battery is fully charged.
- 

The rechargeable battery is half-charged.
- 



The rechargeable battery is almost empty.

#### 4.4.2 Charging the rechargeable battery



The status display is blinking. The rechargeable battery needs to be charged.



The rechargeable battery is empty and needs to be charged.

#### 4.4.3 Rechargeable battery charging



The status display blinks alternately. The rechargeable battery is being charged.



The status display lights up for approx. 30 seconds when the rechargeable battery is fully charged.

#### 4.4.4 The rechargeable battery is charged



If the mains/power supply device is connected to a charged rechargeable battery, the rechargeable battery status display lights up for approx. 30 seconds. The rechargeable battery will not be charged.

## 5 Operation

### 5.1 Charging the rechargeable battery



**NOTICE! Loss of full charging capacity of the rechargeable battery if charged incorrectly.**

The supplied rechargeable battery is not fully charged. The rechargeable battery will only reach its full capacity after several discharging and charging cycles.

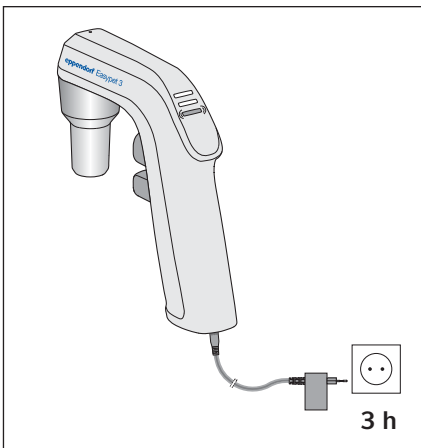
- ▶ Do not charge the rechargeable battery in a hot environment ( $> 60\text{ }^{\circ}\text{C}$ ).
- ▶ Only charge the rechargeable battery using the supplied mains/power supply device.



**NOTICE! Material damage due to outdated rechargeable battery.**

If the rechargeable battery exceeds its service life, the rechargeable battery may become deformed or burst.

- ▶ Replace the rechargeable battery when the housing is deformed.
- ▶ Replace the rechargeable battery if the charging cycles are unusually short.
- ▶ Replace the rechargeable battery if it is older than 3 years.



1. Insert the mains/power supply device into the socket.
2. Insert the charging plug of the mains/power supply device into the connector socket on the grip.



The charging time depends on the charging state of the rechargeable battery. For fully discharged rechargeable batteries, this is about 3 hours.



You can continue using the pipetting aid during the charging process.

## 5.2 Preserving the battery capacity

The battery capacity can be preserved over the service life to a great extent.

### 5.2.1 Longer periods without operation

1. Charge the battery completely if the pipette controller is not used for a longer period of time (> 4 weeks).
2. Recharge the battery completely every 2 months.

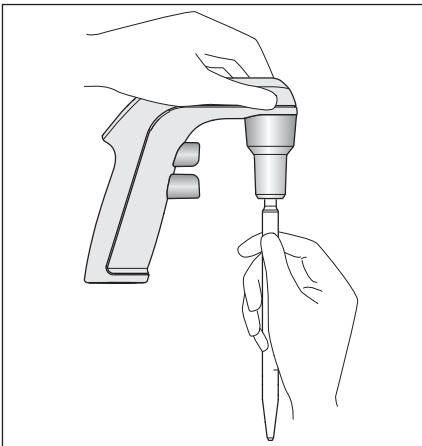
## 5.3 Inserting a serological pipette



### **WARNING! Risk of cuts from shattered glass pipettes.**

Glass pipettes are fragile and may cause severe cuts if they break.

- ▶ Do not use force to insert glass pipettes.
- ▶ Wear your personal protective equipment.
- ▶ Use a towel to protect the hand used for insertion.

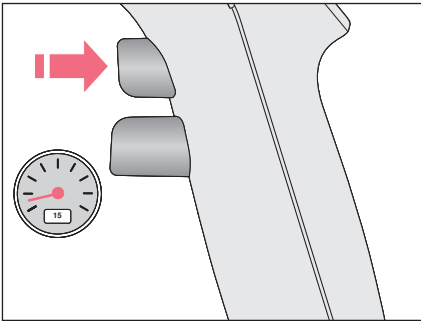


- ▶ Hold the serological pipette at the top and carefully push it into the aspirating cone until it fits securely and air-tight.

## 5.4 Controlling the speed

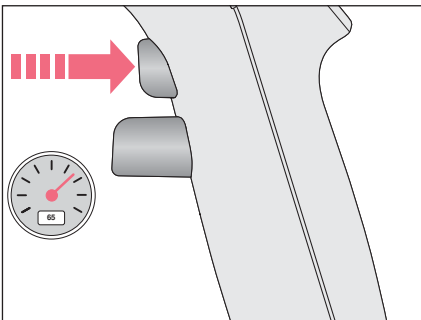
The aspiration speed is continuously variable. To control the speed, press the control button down as far as desired.

### Aspirating or dispensing liquid slowly



- ▶ To aspirate or dispense liquid slowly, press the corresponding control button only slightly.

### Aspirating or dispensing liquid quickly



- ▶ To aspirate or dispense liquid quickly, press the corresponding control button all the way down.

## 5.5 Aspirating liquid

---

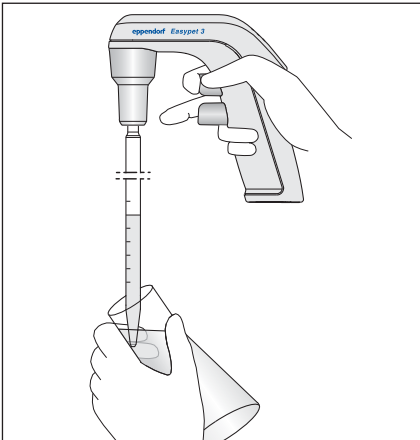


**NOTICE! Damage to the device due to a missing or damaged membrane filter.**

- ▶ Do not use the pipette controller without the membrane filter inserted.
  - ▶ Replace a damaged membrane filter.
- 



Observe the type of serological pipette used.



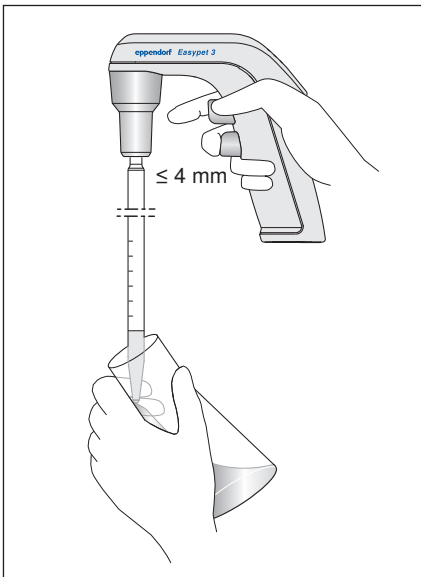
1. Immerse the serological pipette in the liquid.
2. Press the aspirating button slowly and keep it pressed.  
The further you press the aspirating button, the quicker the liquid is aspirated.
3. Wipe the serological pipette against the tube inner wall and pull it out.

## 5.6 Dispensing liquid

- i** Observe the type of serological pipette used.
- i** After liquid dispensing, hold class AS quick-drain serological pipettes on the tube inner wall for 5 seconds to allow the liquid to drain.

### 5.6.1 Flow-out

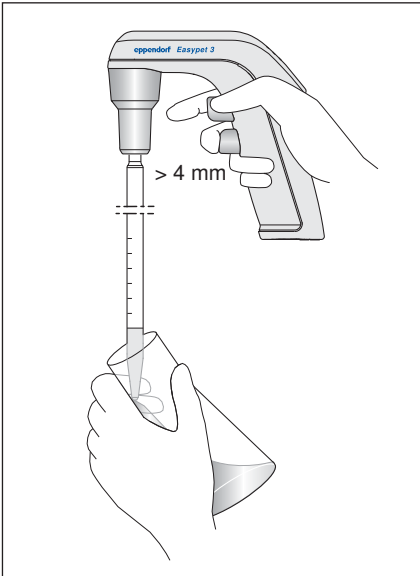
A valve will be opened during flow-out. The liquid runs out of the pipette as a result of atmospheric pressure.



1. Hold the serological pipette vertically and place it on the tube inner wall.
2. Press the dispensing button lightly.

### 5.6.2 Blow out

A blow out dispenses liquid using the pump.

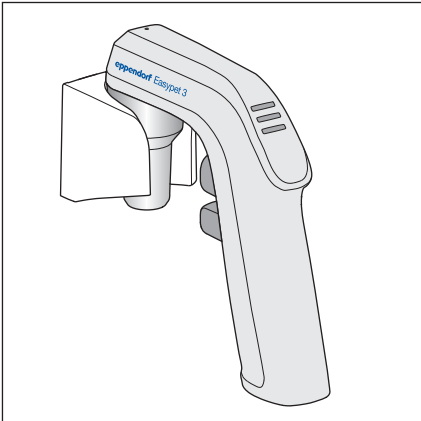


1. Hold the serological pipette vertically and place it on the tube inner wall.
2. Press down the dispensing button hard.



## 5.7 Using the wall mount

For long-term storage, the pipette controller can be stored in a wall mount.



### 5.7.1 Mounting the wall mount

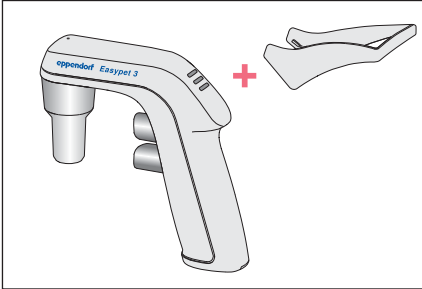
1. Clean the mounting location on the wall and allow it to dry.
2. Remove the protective film.
3. Press the wall mount firmly against the wall.
4. Allow the adhesive tape to dry for 24 hours.
5. Only apply weight to the wall mount after the drying time has expired.

### 5.7.2 Removing the wall mount

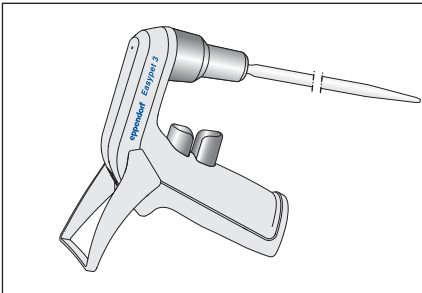
1. Rotate the wall mount and remove it.
2. Remove the adhesive tape.

### 5.8 Using the shelf stand

To set the pipette controller with an inserted serological pipette down for a short while, the supplied shelf stand can be used.



1. Insert the shelf stand into the groove.



2. To remove the shelf stand, press the shelf stand together on the sides.

## 6 Maintenance

### 6.1 Disassembling the pipette clamp

If liquid has entered the pipette clamp, the aspiration capacity may be decreased, or pipette clamp assemblies may be damaged. The pipette clamp must be disassembled in order to clean or replace the assemblies.

1. Turn the aspirating cone counterclockwise and remove it.
2. Remove the pipette adapter and membrane filter from the filter adapter.
3. Remove the membrane filter from the pipette adapter.
4. Use a sharp object to pry the seal out of the filter adapter.

## 6.2 Cleaning

### 6.2.1 Cleaning the pipette controller



Special servicing is not required.



**NOTICE! Damage to the device due to autoclaving.**

- ▶ Do not autoclave the pipette controller.

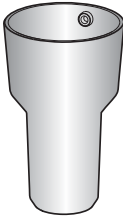
To clean contaminated surfaces, proceed as follows:

- ▶ Wipe the housing using a damp cloth.
- ▶ Disinfect surfaces using alcohol (ethanol, propanol) or a disinfectant containing alcohol.

### 6.2.2 Cleaning the pipette clamp

The pipette clamp assemblies can be replaced, cleaned or autoclaved as described below (121 °C, 1 bar positive pressure for 20 minutes).

#### Aspirating cone



- Can be wiped using a damp cloth
- Can be disinfected using alcohol (ethanol, propanol) or a disinfectant containing alcohol
- Repeatedly autoclavable
- Can be replaced

#### Pipette adapter



- Can be rinsed with demineralized water
- Repeatedly (175x) autoclavable (134 °C, 1 bar positive pressure)
- Can be replaced

#### Membrane filter



- To be disposed of if contaminated
- Cannot be cleaned
- Can be autoclaved once
- Can be replaced

#### Seal



- Can be rinsed with demineralized water
- Repeatedly autoclavable
- Can be replaced



You can also use a membrane filter with a pore size of 0.2 µm.

### 6.3 Decontamination

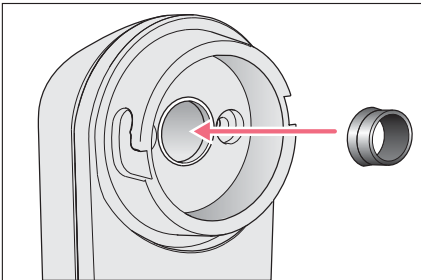
- i** The pipette controller can be decontaminated using UV light. This may lead to permanent discoloration of the material. This discoloration has no effect on pipette controller functionality.

### 6.4 Replacing the rechargeable battery

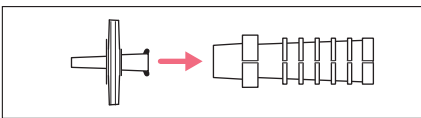
Prerequisites

- There is a new rechargeable battery from Eppendorf available.
1. Open the rechargeable battery compartment lid.
  2. Remove the battery.
  3. Insert a new battery.
  4. Close the rechargeable battery lid.

### 6.5 Mounting the pipette clamp



1. Push the gasket and the groove into the filter adapter.



2. Push the wide opening of the membrane filter into the narrow opening of the pipette adapter.
3. Guide the aspirating cone over the pipette adapter and turn it until it engages.

### 6.6 Checking the leak tightness

1. Insert a serological pipette.
  2. Fill the serological pipette with water.
  3. Hold the serological pipette vertically.
  4. Observe the outlet opening of the serological pipette for approx. 30 seconds.
- i** Do not touch the serological pipette. Do not press the control buttons.  
No water may escape.
5. If water does escape, disassemble the pipette clamp and put the pipette clamp back together carefully.

## 7 Troubleshooting

### 7.1 General errors

Problem	Cause	Solution
Aspiration capacity reduced.	<ul style="list-style-type: none"> <li>• Membrane filter wetted.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Replace membrane filter.</li> </ul>
Serological pipette loose.	<ul style="list-style-type: none"> <li>• Pipette adapter damaged.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Replace pipette adapter.</li> </ul>
Aspiration or dispensing speed greatly reduced.	<ul style="list-style-type: none"> <li>• Pressure compensation opening covered, clogged or dirty.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Remove label from pressure compensation opening.</li> <li>▶ Clean pressure compensation opening.</li> <li>▶ If problem continues to occur, send device to authorized service.</li> </ul>

#### 7.1.1 Rechargeable battery

Problem	Cause	Solution
Rechargeable battery will not charge.	<ul style="list-style-type: none"> <li>• Rechargeable battery is charged.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Disconnect the mains/power supply device.</li> <li>▶ Only charge the rechargeable battery if the status display is blinking.</li> </ul>
Short operational time despite fully charged rechargeable battery.	<ul style="list-style-type: none"> <li>• Rechargeable battery is more than 3 years old.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Replace the rechargeable battery.</li> </ul>
Shortened usage period and frequent recharging necessary.	<ul style="list-style-type: none"> <li>• Rechargeable battery capacity is reduced significantly.</li> <li>• Rechargeable battery is more than 3 years old.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Replace the rechargeable battery.</li> </ul>
Rechargeable battery housing is warped.	<ul style="list-style-type: none"> <li>• Rechargeable battery is more than 3 years old.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Replace the rechargeable battery.</li> </ul>

### 7.1.2 Liquid

Problem	Cause	Solution
Liquid drips out of the serological pipette.	<ul style="list-style-type: none"> <li>• Pipette adapter and/or membrane filter inserted incorrectly.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Remove pipette adapter and membrane filter and reinsert them.</li> </ul>
	<ul style="list-style-type: none"> <li>• Serological pipette not inserted far enough.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Carefully insert the serological pipette farther.</li> </ul>
	<ul style="list-style-type: none"> <li>• Pipette adapter damaged.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Replace pipette adapter.</li> </ul>
	<ul style="list-style-type: none"> <li>• The serological pipette is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Replace the serological pipette.</li> </ul>
	<ul style="list-style-type: none"> <li>• Seal damaged.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Replace seal.</li> </ul>
	<ul style="list-style-type: none"> <li>• Liquid column too high.</li> <li>• Speed too low.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Slowly press the aspirating button down further.</li> </ul>
	Bubble formation in the serological pipette during liquid aspiration.	<ul style="list-style-type: none"> <li>• Speed too high.</li> </ul>

**Technical data**

Easypet® 3

English (EN)

**8 Technical data****8.1 Weight/dimensions**

Weight	134 g (without rechargeable battery, without serological pipette)
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**8.2 Mains/power supply device**

Input voltage	100 V – 240 V AC, $\pm 10\%$
Frequency	50 Hz – 60 Hz
Output voltage	5 V
Input current	200 mA – 250 mA
Output current	1 A

**8.3 Rechargeable battery**

Type	Lithium-Polymer
Voltage	3,7 V
Capacity	1100 mAh
Charging time	~3 h
Weight	26
Number of dispensings	~2000 (with a 25-mL pipette)

**8.4 Ambient conditions**

Environment	For indoor use only. The surroundings must not be moist.
Ambient temperature	5 °C – 40 °C
Relative humidity	10 % – 95 %, non-condensing.
Atmospheric pressure	79.5 kPa – 106 kPa



## 9 Transport, storage and disposal

### 9.1 Decontamination before shipment



**CAUTION! Use of a contaminated device may result in personal injury and damage to the device.**

- ▶ Clean and decontaminate the device in accordance with the cleaning instructions before shipping or storage.

Hazardous substances are:

- solutions presenting a health hazard
  - potentially infectious agents
  - organic solvents and reagents
  - radioactive substances
  - proteins presenting a health hazard
  - DNA
1. Please note the information in the "Decontamination certificate for product returns" document.  
It is available as a PDF document on our website [www.eppendorf.com/decontamination](http://www.eppendorf.com/decontamination).
  2. Enter the serial number of the device on the decontamination certificate.
  3. Enclose the completed decontamination certificate for returned goods with the device.
  4. Send the device to Eppendorf SE or to an authorized service center.

### 9.2 Transport

- ▶ Use the original packaging and the transport securing devices for 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

### 9.3 Storage

**NOTICE! Damage to device due to incorrect storage.**

- ▶ Remove the rechargeable battery if you will not be using the device for an extended period (> 2 months).
- ▶ Select a secure storage location.
- ▶ Do not expose the device to aggressive gases over an extended period.

	<b>Air temperature</b>	<b>Relative humidity</b>	<b>Atmospheric pressure</b>
In transport packing	-25 °C – 55 °C	10 % – 95 %	70 kPa – 106 kPa
Without transport packing	-5 °C – 45 °C	10 % – 95 %	70 kPa – 106 kPa

## 9.4 Disposal

Observe the relevant legal regulations when disposing of the product.

### **Information on the disposal of electrical and electronic devices in the European Community:**

Within the European Community, the disposal of electrical devices is regulated by national regulations based on EU Directive 2012/19/EU pertaining to waste electrical and electronic equipment (WEEE).

According to these regulations, any devices supplied after August 13, 2005, in the business-to-business sphere, to which this product is assigned, may no longer be disposed of in municipal or domestic waste. They are marked with the following symbol to indicate this:



As the disposal regulations may differ from one country to another within the EU, please contact your supplier for more information.

**Ordering Information**Easypet® 3  
English (EN)**10 Ordering Information**

<b>Order no. (International)</b>	<b>Order no. (North America)</b>	<b>Description</b>
4430 000.018	4430000018	<b>Easypet 3</b> Incl. power supply, wall mount, depositing stand, 2 membrane filters (unsterile) 0.45 µm

**10.1 Spare parts**

<b>Order no. (International)</b>	<b>Order no. (North America)</b>	<b>Description</b>
4420 801.004	022236105	<b>Pipette adapter</b>
4421 601.009	022232002	<b>Membrane filter</b> sterile, 1 set (5 pieces) 0.45 µm
4430 606.005	4430606005	0.2 µm
4421 602.005	4421602005	<b>Seal for filter adapter</b> 5 pieces
4430 601.003	4430601003	<b>Aspirating cone</b>
4430 602.000	4430602000	<b>Rechargeable battery compartment lid</b>
4430 603.006	4430603006	<b>Shelf stand</b>
4430 605.009	4430605009	<b>Lithium polymer rechargeable battery</b>
4986 603.005	4986603005	<b>Power supply with power plug adapters</b> for pipettes and charger stand

**10.2 Accessories**

<b>Order no. (International)</b>	<b>Order no. (North America)</b>	<b>Description</b>
4430 604.002	4430604002	<b>Wall mount</b>
4430 607.001	4430607001	<b>Sticky tape</b> 2 pieces

### 10.3 Serological pipettes

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



# Declaration of Conformity

The product named below fulfills the requirements of directives and standards listed. In the case of unauthorized modifications to the product or an unintended use this declaration becomes invalid. This declaration of conformity is issued under the sole responsibility of the manufacturer.

**Product name:**

Easypet® 3

**Product type:**

Electronic pipette helper

**Relevant directives / standards:**

2014/35/EU: EN 62368-1 + AC

2014/30/EU: EN 61326-1, EN 55011

2011/65/EU: EN IEC 63000

Hamburg, March 09, 2021



Dr. Wilhelm Plüster  
Management Board



Dr. Christian Eggert  
Head of Division  
Liquid Handling

Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)  
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4430 900.027-04









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