**Instructions for use**
epT.I.P.S. Motion Racks
English (EN)

Before using the accessories for the first time, read these instructions for use. Also read the operating manual of the device the accessories are used with.

## 1 Product description

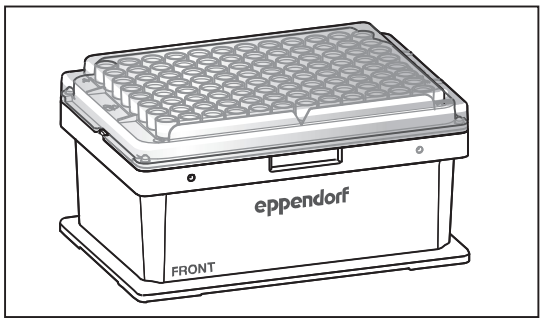


Fig. 1: epT.I.P.S Motion Rack

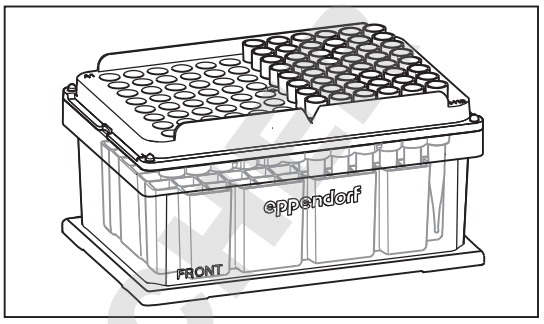


Fig. 2: epT.I.P.S Motion SafeRack

epT.I.P.S. Motion Racks and epT.I.P.S. Motion SafeRacks contain 96 epT.I.P.S. Motion pipette tips each.

epT.I.P.S. Motion Racks are intended for applications requiring single use of pipette tips.

epT.I.P.S. Motion SafeRacks are suitable for applications in which pipette tips are used multiple times. epT.I.P.S. Motion SafeRacks have a partition to separate pipette tips. A partition prevents residual liquid from contaminating adjacent pipette tips.

epT.I.P.S. Motion Racks and epT.I.P.S. Motion Safe Racks are coded. The optical sensor of the ep*Motion* determines the size of the pipette tips by means of the code. The optical sensor also detects if the pipette tips have a filter.

**epT.I.P.S.** stands for "**ep**pendorf **T**otally **I**ntegrated **P**ipetting **S**ystem".

You can find further information about epT.I.P.S. Motion in the ep*Motion* operating manual.

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# 2 Safety

## 2.1 Intended use

epT.I.P.S. Motion are transparent pipette tips for use on the ep*Motion*. epT.I.P.S. Motion are available in Racks and SafeRacks.

epT.I.P.S. Motion of size 10 µL may only be used on devices ep*Motion* 5070, ep*Motion* 5073, ep*Motion* 5075.

epT.I.P.S. Motion Racks are intended for single use only. epT.I.P.S. Motion SafeRacks are suited for applications that require multiple use of pipette tips.

Fields of application are training, routine and research laboratories in the area of life sciences, industry, medical and pharmaceutical research as well as chemistry.

The application requires skilled personnel trained in the areas listed above.

## 2.2 Safety precautions



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

- When handling infectious liquids and pathogenic germs, observe the national regulations, the biological security level of your laboratory, the Material Safety Data Sheets, and the manufacturer's application notes.
- Wear your personal protective equipment.
- For comprehensive regulations about handling germs or biological material of risk group II or higher, please refer to the "Laboratory Biosafety Manual" (source: World Health Organization, Laboratory Biosafety Manual, in its respectively current valid version).



**WARNING! Danger due to flammable and infectious liquids in the waste container.**
Pipette tips in the waste container may contain flammable or infectious liquids.

- Wear your personal protective equipment.
- Handle the pipette tips and sample materials from the waste container in accordance with the Material Safety Data Sheets, safety regulations and laboratory guidelines.

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**NOTICE! Contamination due to the use of the wrong pipette tips.**
The optical sensor does not detect whether the pipette tips on the worktable are intended for single use (epT.I.P.S. Motion Rack, epT.I.P.S. Motion Reload) or for multiple use (epT.I.P.S. Motion SafeRack).

- If you use pipette tips several times, equip the entire worktable with epT.I.P.S. Motion SafeRacks.

**NOTICE! Wrong reservoir detection due to missing pipette tips.**
The optical sensor checks the start position and end position of the pipette tips in the rack. The optical sensor does not check if pipette tips are missing in the center.

- Do not remove any pipette tips from the rack.

**NOTICE! Dispensing error due to incorrect handling of pipette tips.**
Tips become deformed and change size during autoclaving.

- Do not autoclave pipette tips. Use pipette tips specified as Sterile, if necessary.
- Do not stack racks that contain pipette tips.

**NOTICE! Damage to pipette tips from aggressive chemicals.**
Aggressive substances can damage the pipette tips.

- Check if the pipette tips are resistant to the chemicals you use.

# 3 Operation

## 3.1 Unpack epT.I.P.S. Motion Racks

1. Check packing and Rack before use. Do not use damaged Racks.
2. To remove protective foil hold the rack at the side and pull on the tear-strip. The lid is loosely attached.

## 3.2 Place epT.I.P.S. Motion Racks on the worktable

- Place Rack on the desired location on the worktable with labeling facing to the front.

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# 4 Technical data

## 4.1 Material

| | |
|---|---|
| Pipette tips | Polypropylene (PP) |
| Filters of the pipette tips | Polyethylene (PE) |
| Trays | Polypropylene (PP) |
| Protective foil of the racks | Polyethylene (PE) |
| Racks, SafeRacks | Polypropylene (PP) |

## 4.2 Ambient conditions

| | |
|---|---|
| Ambience | Only for use in indoors. |
| Ambient temperature | 5 °C – 40 °C |
| Relative humidity | 10 % – 95 %, non-condensing |
| Atmospheric pressure | 79.5 kPa – 106 kPa |

## 4.3 Storage

Racks, SafeRacks and Reloads must be placed on the underside for storage. This ensures that the pipette tips are fastened in the trays.

| | |
|---|---|
| Temperature for storage in transport packing | -20 °C – 55 °C |
| Temperature for storage without transport packing | -5 °C – 45 °C |
| Relative humidity | 10 % – 95 % |
| Atmospheric pressure | 70 kPa – 106 kPa |

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# 5 Ordering information

## 5.1 epT.I.P.S. Motion Racks

| Order no. (International) | Order no. (North America) | Description |
|---|---|---|
| | | **epT.I.P.S. Motion 10 µL**<br>10 racks with 96 tips each |
| 0030 014.383 | 0030014383 | Eppendorf Quality |
| 0030 015.185 | 0030015185 | Sterile |
| | | **epT.I.P.S. Motion Filter 10 µL**<br>10 racks with 96 tips each |
| 0030 014.391 | 0030014391 | PCR clean |
| 0030 015.193 | 0030015193 | PCR clean and Sterile |
| | | **epT.I.P.S. Motion 50 µL**<br>10 racks with 96 tips each |
| 0030 014.405 | 0030014405 | Eppendorf Quality |
| 0030 015.207 | 0030015207 | Sterile |
| | | **epT.I.P.S. Motion Filter 50 µL**<br>10 racks with 96 tips each |
| 0030 014.413 | 0030014413 | PCR clean |
| 0030 015.215 | 0030015215 | PCR clean and Sterile |
| | | **epT.I.P.S. Motion 300 µL**<br>10 racks with 96 tips each |
| 0030 014.448 | 0030014448 | Eppendorf Quality |
| 0030 015.223 | 0030015223 | Sterile |
| | | **epT.I.P.S. Motion Filter 300 µL**<br>10 racks with 96 tips each |
| 0030 014.456 | 0030014456 | PCR clean |
| 0030 015.231 | 0030015231 | PCR clean and Sterile |
| | | **epT.I.P.S. Motion 1 000 µL**<br>10 racks with 96 tips each |
| 0030 014.480 | 0030014480 | Eppendorf Quality |
| 0030 015.240 | 0030015240 | Sterile |
| | | **epT.I.P.S. Motion Filter 1 000 µL**<br>10 racks with 96 tips each |
| 0030 014.499 | 0030014499 | PCR clean |
| 0030 015.258 | 0030015258 | PCR clean and Sterile |

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## 5.2 epT.I.P.S. Motion SafeRacks

| Order no. (International) | Order no. (North America) | Description |
|---|---|---|
| 0030 014.600 | 0030014600 | **epT.I.P.S. Motion 50 µL**<br>10 SafeRacks with 96 tips each<br>Eppendorf Quality |
| 0030 014.618 | 0030014618 | **epT.I.P.S. Motion Filter 50 µL**<br>10 SafeRacks with 96 tips each<br>PCR clean |
| 0030 014.626 | 0030014626 | **epT.I.P.S. Motion 300 µL**<br>10 SafeRacks with 96 tips each<br>Eppendorf Quality |
| 0030 014.634 | 0030014634 | **epT.I.P.S. Motion Filter 300 µL**<br>10 SafeRacks with 96 tips each<br>PCR clean |
| 0030 014.642 | 0030014642 | **epT.I.P.S. Motion 1 000 µL**<br>10 SafeRacks with 96 tips each<br>Eppendorf Quality |
| 0030 014.650 | 0030014650 | **epT.I.P.S. Motion Filter 1 000 µL**<br>10 SafeRacks with 96 tips each<br>PCR clean |

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**Your local distributor: www.eppendorf.com/contact**
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