

Instructions for use

epT.I.P.S.® – General Lab Product

English (EN)

1 Product description

The pipette tips are single-use pipette tips for aspirating and dispensing liquids with air cushion pipettes. The packing of the pipette tips is color-coded and corresponds to the color of the control button of the respective Eppendorf pipette.

2 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.

| Component | Material |
|-----------------|--------------------|
| Pipette tip | Polypropylene (PP) |
| Tray | Polypropylene (PP) |
| Box, lid | Polycarbonate (PC) |
| Box, lower part | Polycarbonate (PC) |
| Rack | Polypropylene (PP) |

3 Warnings for intended use



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 material safety data sheets and manufacturer's application notes.



NOTICE! Carry-over, contamination and incorrect dispensing results due to the incorrect use of pipette tips.

The pipette tips are for single use only. Prolonged use can have a negative impact on dispensing tasks.



- ▶ Only use the pipette tips once.

4 Intended use

Pipette tips belonging to product group epT.I.P.S. with the corresponding product numbers are designed and constructed for low-contamination transfer of liquids. In vitro diagnostic applications (applications in or on the human body) are not permitted. Pipette tips are intended for single use only and for use by qualified personnel only.

5 Operation

Observe the descriptions in the operating manual of the pipette used.

-  Use optically perfect and undamaged pipette tips only. If the packing is damaged, do not use the pipette tips.
-  Do not use filter tips without a filter or with an incorrectly inserted filter. Do not suck liquid into the filter.


6 Autoclaving pipette tips



NOTICE! Material damage due to autoclaving in packaging foil.

Pipette tips, racks and reloads are damaged and deformed if they are autoclaved in their packaging.

- ▶ Remove the packaging foil before autoclaving.

-  Do not use any additional disinfectants before autoclaving the boxes and racks.

| Product | Temperature [°C] | Overpressure [bar] | Time [min] | Number of possible cycles |
|------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|------------|---------------------------|
| epT.I.P.S. | 121 | 1 | 20 | 1 |
| epT.I.P.S. 384 | 121 | 1 | 20 | 1 |
| epT.I.P.S. LoRetention | 121 | 1 | 20 | 1 |
| epT.I.P.S. Reloads | 121 | 1 | 20 | 1 |
| epT.I.P.S. Racks | 121 | 1 | 20 | 10 |
| epT.I.P.S. Box | 121 | 1 | 20 | 100 |
| ep Dualfilter T.I.P.S. ep Dualfilter T.I.P.S. LoRetention ep Dualfilter T.I.P.S. SealMax ep Dualfilter T.I.P.S. 384 | Not autoclavable. | | | |

7 Transport, storage and disposal

7.1 Transport

| | Air temperature | Relative humidity | Atmospheric pressure |
|----------------------|-----------------|-------------------|----------------------|
| In transport packing | -25 °C – 55 °C | 10 % – 95 % | 70 kPa – 106 kPa |

7.2 Storage







Store dry at room temperature. Protect from sunlight and UV rays.

7.3 Disposal

Dispose of the packing in accordance with the marking and comply with the legal regulations.

8 Purity grades and certificates







8.1 Eppendorf purity grades

| | Eppendorf Quality | Sterile | PCR clean | Sterile + PCR clean | Biopur | Forensic DNA Grade |
|--|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| |  |  |  |  |  |  |

Batch testing (certified) for the following purity criteria

| | | | | | | |
|--------------------------------------------|--|---|---|---|---|---|
| Human DNA-free | | | ■ | ■ | ■ | ■ |
| DNA-free (free of human and bacterial DNA) | | | | | ■ | |
| DNase-free | | | ■ | ■ | ■ | ■ |
| RNase-free | | | ■ | ■ | ■ | ■ |
| PCR inhibitor-free | | | ■ | ■ | ■ | ■ |
| ATP-free | | | | | ■ | |
| Pyrogen-free (endotoxin-free) | | ■ | | ■ | ■ | |
| Sterile (Ph.Eur./USP) | | ■ | | ■ | ■ | |

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| | Eppendorf Quality | Sterile | PCR clean | Sterile + PCR clean | Biopur | Forensic DNA Grade |
|------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| |  |  |  |  |  |  |
| epT.I.P.S. | | | | | | |
| epT.I.P.S. Standard | | | | | | |
| epT.I.P.S. Box | ■ | | | | | |
| epT.I.P.S. Set | | | | | | |
| epT.I.P.S. Reloads | ■ | | ■ | | | |
| epT.I.P.S. Racks | | ■ | | | ■ | |
| epT.I.P.S. Singles | | | | | ■ | |
| ep Dualfilter T.I.P.S. | | | | ■ | | ■ |
| epT.I.P.S. LoRetention | ■ | | ■ | ■ | | |
| ep Dualfilter T.I.P.S. LoRetention | | | | ■ | | |
| ep Dualfilter T.I.P.S. SealMax | | | | ■ | | |
| epT.I.P.S. 384 | | | | | | |
| epT.I.P.S. 384 Set | ■ | | | | | |
| epT.I.P.S. 384 Reloads | ■ | | ■ | | | |
| ep Dualfilter T.I.P.S. 384 | | | | ■ | | |

8.2 Certificates

There are two different categories of certificates for Eppendorf Liquid Handling consumables:

Batch-specific certificates are prepared for the following purity grades:

- Biopur
- Forensic DNA Grade
- PCR clean
- PCR clean and Sterile
- Sterile

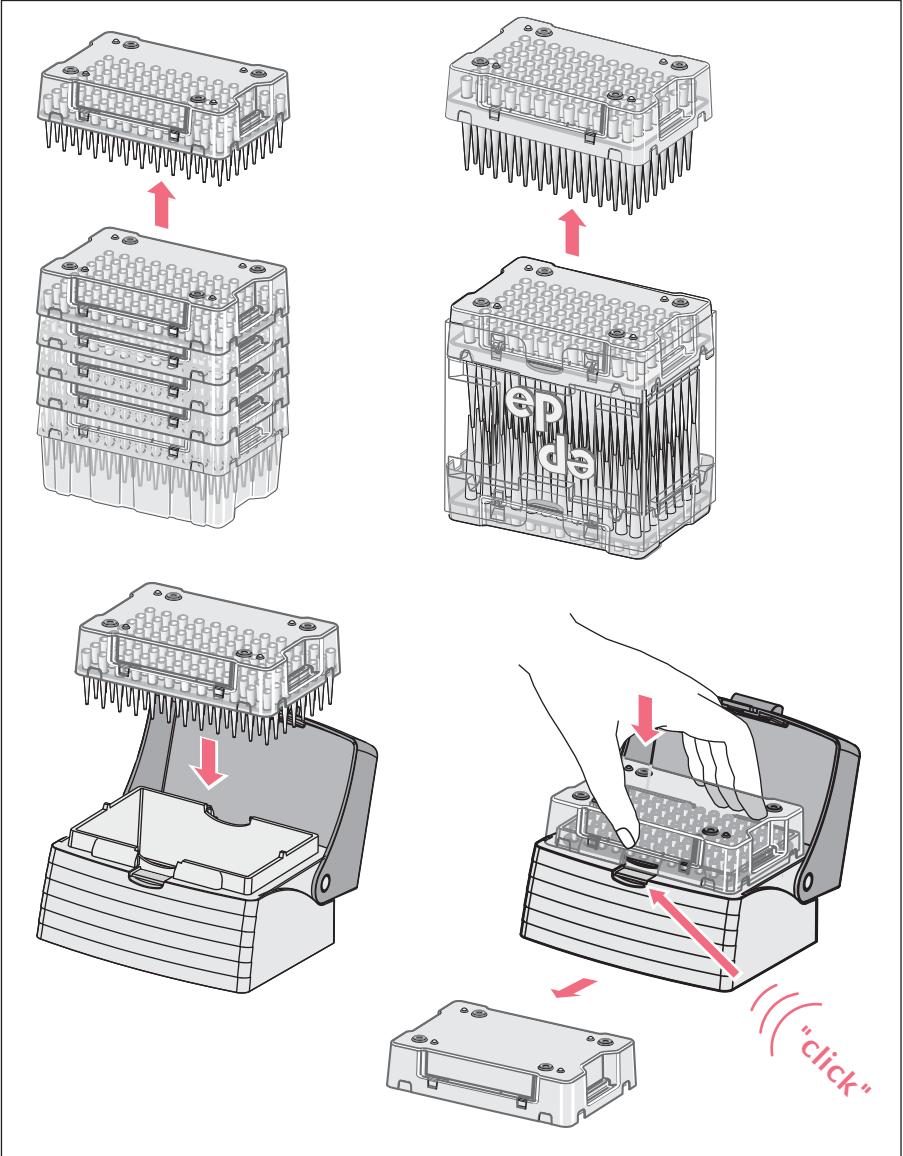
General certificates of conformity:

- Certificate of conformity for products with the purity grade Biopur (Certificate of Quality/Conformity – Biopur).
- Certificate of conformity for products with the purity grade Forensic DNA Grade (Certificate of Purity – Eppendorf Forensic DNA Grade according to ISO 18385).
- Certificate of conformity for products with the purity grade PCR clean (Certificate of Purity – PCR clean).
- Certificate of conformity regarding trace metal (Certificate of Quality – epT.I.P.S. – Typical values for trace metal).
- Certificate of conformity regarding surface active additives (Certificate of Quality epT.I.P.S. and ep Dualfilter T.I.P.S. Quality Assurance).
- Certificate of conformity regarding the material composition and adherence to the error of measurement of pipette tips (Certificate of Quality/Conformity – epT.I.P.S. Dualfilter, LoRetention, SealMax).
- Certificate of conformity regarding the plastic granulates used (Certificate of Quality/Conformity – Laboratory Consumables).
- Certificate of conformity regarding the filters used (Certificate of Quality/Conformity – ep Dualfilter T.I.P.S. – EPA/HEPA).

All certificates can be downloaded from our website www.eppendorf.com/certificates.

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9 Refilling boxes with reloads



Your local distributor: www.eppendorf.com/contact
Eppendorf AG · Barkhausenweg 1 · 22339 Hamburg · Germany
eppendorf@eppendorf.com · www.eppendorf.com