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## Transferpette<sup>®</sup> S

Mikroliterpipetten | Micropipettes

# Impressum

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Do you need more operating manuals and translations?  
Please refer to <http://www.brand.de/om> or use the following  
Quick Response Code:



The original operating manual is written in German. Other languages are translations of the original operating manual.

Patents: Transferpette® S -8 / -12: US 8,011,257



U.S. Patents: [www.brand.de/ip](http://www.brand.de/ip)  
Link in Quick Response Code: [www.brand.de/ip](http://www.brand.de/ip)

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# 1 Introduction

## 1.1 Scope of delivery

Transferpette® S, adjustable/fixed-volume, DE-M marking, supplied with quality certificate, shelf mount, and silicone grease.

## 1.2 Terms of use

- Carefully read the operating manual before using the device for the first time.
- The operating manual is part of the device and must be kept in an easily accessible place.
- Be sure to include the operating manual if you transfer possession of this device to a third party.
- You can find up-to-date versions of the operating manual on our website: [www.brand.de](http://www.brand.de).

### 1.2.1 Hazard levels

The following signal words identify possible hazards:

Signal word	Meaning
DANGER	Will lead to serious injury or death.
WARNING	May lead to serious injury or death.
CAUTION	May lead to minor or moderate injuries.
NOTICE	May lead to property damage.

### 1.2.2 Format

Format	Meaning	Format	Meaning
<b>1. Task</b>	Indicates a task.	>	Indicates a condition.

Format	Meaning	Format	Meaning
a., b., c.	Indicates the individual steps of a task.	⇒	Indicates a result.

## 2 Safety regulations

### 2.1 Safety regulations

#### Please read carefully!

The instrument Transferpette® S can be used in combination with hazardous materials, work processes and equipment. However, the operating manual cannot cover all of the safety issues that may occur in doing so. It is the user's responsibility to ensure compliance with the safety and health regulations and to specify the corresponding restrictions before use.

1. Every user must read and observe this operating manual before using the device.
2. Follow the general hazard instructions and safety regulations, e.g. wear protective clothing, eye protection and protective gloves. When working with infectious or hazardous samples, the standard laboratory rules and precautions must be adhered to.
3. Follow the instructions given by the reagent manufacturer.
4. Use the device only for pipetting liquids within the defined limitations and restrictions of use. Comply with the operating exclusions; see Operating exclusions, p. 41 . In case of doubt, contact the manufacturer or dealer.
5. Always perform work in a manner that does not endanger users or other people. Avoid splattering. Use only suitable vessels.
6. Avoid touching the tip opening when working with aggressive media.
7. Never use force.

8. Use only original spare parts. Do not make any technical modifications. Do not disassemble the device further than described in the operating manual!
9. Always check that the device is in proper working condition before use. Always check that the device is in proper working condition before use. If device malfunctions are indicated (e.g. sluggish pistons, leaks), stop pipetting immediately and refer to the section “Troubleshooting”; see Troubleshooting, p. 57 . Contact the manufacturer, if necessary.

## 2.2 Purpose

This is an air displacement pipette for pipetting aqueous solutions of medium density and low to medium viscosity.

## 2.3 Limitations of use

This instrument is intended for pipetting samples, within the following limitations:

- Operating temperature of instrument and reagent should be between +15 °C and +40 °C (59 °F to 104 °F) (other temperatures upon request)
- Vapor pressure up to 500 mbar
- Viscosity: 260 mPa s

For viscous media, the speed must be adjusted if necessary.

## 2.4 Application restrictions

Viscous and wetting liquids may compromise volumetric accuracy. Volumetric accuracy may also be affected when pipetting liquids whose temperature deviates from the ambient temperature by more than  $\pm 1$  °C/ $\pm 1.8$  °F.

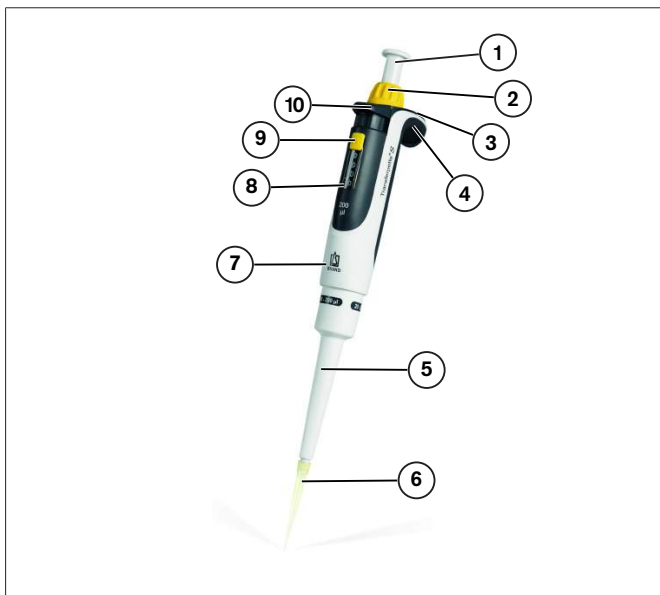
## 2.5 Operating exclusions

The user is responsible for checking the compatibility of the instrument with the intended application. The instrument cannot be used:

- for liquids that corrode polypropylene
- for liquids that corrode polycarbonate (viewing window)
- for liquids that corrode FKM and polyether ether ketone (PEEK)
- for liquids that corrode polyvinylidene fluoride
- for liquids that corrode polyphenylsulphide (PPS) (on adjustable 50 µl device)
- for liquids with very high steam pressure



## 3 Functional and operational components



- 1 Pipetting button
- 3 Easy Calibration function
- 5 Pipetting shaft
- 7 Handle
- 9 Volume-change protection

- 2 Volume-setting wheel
- 4 Finger rest
- 6 Tip cone
- 8 Volume display
- 10 Tip ejection key

## Label window



The instrument can be individually labeled on the finger rest:

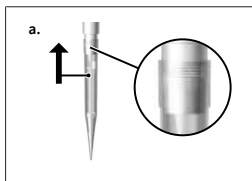
- a. Remove the label window on the finger rest.
- b. Mark the labeling film.
- c. Reinsert the labeling film with window.

# 4 Pipetting

## 1. Inserting tips

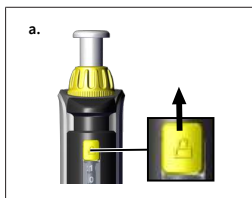
### NOTICE

- > 2 ml, 5 ml and 10 ml instruments should only be used with a built-in PE filter; see UV sterilization, p. 53 .
- > Perfect analysis results can only be achieved by using quality tips. We recommend BRAND pipette tips. For additional information, refer to the accuracy table Accuracy table, p. 49 .
- > Pipette tips are disposable products!



- a. Use the correct tips, in accordance with the volume range or color code! Make sure that the tips are firmly in place and leak tight.

## 2. Setting the volume

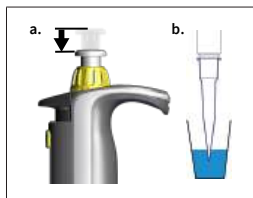


- a. Slide the volume-change protection upward (UNLOCK).
- b. Turn the volume-setting wheel to select the desired volume. In doing so, turn the adjustment wheel steadily, avoiding abrupt turning motions.
- c. Slide the volume-change protection downward (LOCK). The volume-setting wheel becomes noticeably more difficult to turn, but movement is not completely blocked.

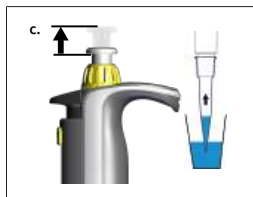
### 3. Aspirating a sample

#### NOTICE

The ISO 8655 standard requires that pipette tips are pre-wetted once before the actual pipetting procedure.



- Press the pipetting key until first resistance is felt.
- Hold the instrument vertically and immerse the tip in the liquid.



- Allow the pipetting button to steadily move back to its original position.

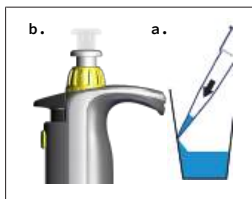
Leave the tip immersed in the liquid for a few seconds, so that the set volume is aspirated completely. This is especially important when pipetting viscous media and when using pipettes with large volumes.

Volume range	Immersion depth [mm]	Wait time [s]
0.1 $\mu\text{l}$ - 1 $\mu\text{l}$	1 - 2	1
> 1 $\mu\text{l}$ - 100 $\mu\text{l}$	2 - 3	1
> 100 $\mu\text{l}$ - 1,000 $\mu\text{l}$	2 - 4	1
> 1,000 $\mu\text{l}$	3 - 6	3

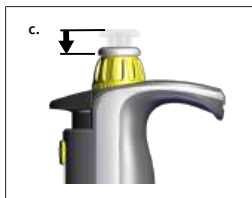
#### NOTICE

Do not lay the instrument down when the tip is filled; this can cause the medium to flow into the instrument and contaminate it! The instrument should always be stored in the provided shelf mount or table stand and kept in an upright position, without any tip inserted.

## 4. Dispensing a sample



- Place the pipette tip against the vessel wall. Hold the pipette at an angle of 30-45° to the vessel wall.
- Press the pipetting button at a uniform speed until the first resistance is felt and hold it. To improve accuracy, comply with the corresponding wait time for serums, highly-viscous or low-density media.



- Completely empty the tip by over-stroking: press the pipetting button until the second resistance is felt.
- While doing this, wipe the pipette tip against the vessel wall.
- Remove the pipette tip from the vessel wall and allow the pipetting button to move back to its original position.

## 5. Ejecting a tip

### NOTICE

The instrument should always be stored in the provided shelf mount or table stand and kept in an upright position, without any tip inserted.



- Hold the pipette shaft over a suitable disposal bin and press the tip ejection button all the way down.

## 5 Checking the volume

We recommend testing the instrument every 3 to 12 months depending on the level of use. However, the testing cycle can be adapted to meet individual requirements. The complete testing procedure (SOP) can be downloaded at [www.brand.de](http://www.brand.de).

You can download the detailed test instructions (SOP) at [www.brand.de](http://www.brand.de). For GLP- and ISO-compliant evaluations and documentation, we recommend the EASYCAL™ calibration software from BRAND. A demo version can be downloaded from <https://shop.brand.de/>.

Gravimetric volume testing of the pipette is carried out according to the following steps and complies with DIN EN ISO 8655:2022.

### 1. Setting the nominal volume

- a. Set the maximum specified instrument volume (for procedure, see Pipetting, p. 44 ).

### 2. Conditioning the pipette

- a. Condition the pipette before testing by aspirating and dispensing the test liquid (distilled water) with a pipette tip five times.

### 3. Performing the test

#### NOTICE

In accordance with DIN EN ISO 8655-2, a tip change is recommended after each individual measurement. An exception to this rule can be made, according to DAkkS guideline DKD-R8-1.

- a. Aspirate the test liquid and pipette into the weighing vessel.
- b. Weigh the pipetted amount with an analysis scale. (refer to the operating manual of the balance manufacturer.)

- c. Calculate the pipetted volume. In doing so, take into account the temperature of the test liquid.
- d. At least 10 pipetting series and weighings in 3 volume ranges (100%, 50%, 10%) are recommended. Two tips must be used for each volume range to be tested.

### Calculation (for nominal volume)

$x_i$  = weighing results

$n$  = number of weighings

$V_0$  = nominal volume

$Z$  = Correction factor (e.g. 1.0029  $\mu\text{l}/\text{mg}$  at 20°C, 1013 hPa)

**Mean:**

$$\bar{x} = \frac{\sum x_i}{n}$$

**Mean volume:**

$$\bar{V} = \bar{x} * z$$

**Accuracy\*:**

$$A\% = \frac{\bar{V} - V_0}{V_0} * 100$$

**Coefficient of variation\*:**

$$CV\% = \frac{100 s}{\bar{V}}$$

**Standard deviation\*:**

$$s = Z * \sqrt{\frac{\sum(x_i - \bar{x})^2}{n - 1}}$$

\*) Accuracy and coefficient of variation are calculated according to the formulas of statistical quality control.

#### NOTICE

Test Instructions (SOPs) are available for download from [www.brand.de](http://www.brand.de).

## 6 Accuracy table

### Transferpette® S, adjustable

Volume range [μl]	Partial volume [μl]	*R* ≤ ± %	CV* ≤ %	Sub steps [μl]	Recommended tip type [μl]
0.1–1	1 0.5 0.1	2 4 20	1.2 2.4 12	0.001	0.1–20
0.1–2.5	2.5 1.25 0.25	1.4 2.5 12	0.7 1.5 6	0.002	0.5–20
0.5–10	10 5 1	1 1.6 7	0.5 1 4	0.01	0.5–20
2–20	20 10 2	0.8 1.2 5	0.4 0.7 2	0.02	2–200
5–50	50 25 5	0.8 1.2 4	0.3 0.5 2	0.05	2–200
10–100	100 50 10	0.6 0.8 3	0.2 0.4 1	0.1	2–200
20–200	200 100 20	0.6 0.8 3	0.2 0.3 0.6	0.2	2–200
100–1000	1000 500 100	0.6 0.8 3	0.2 0.3 0.6	1	50–1000
500–5000	5000 2500 500	0.6 0.8 3	0.2 0.3 0.6	5	500–5000
1000–10,000	10000 5000 1000	0.6 0.8 3	0.2 0.3 0.6	10	1000–10000

\*A = Accuracy, CV = Coefficient of Variation



## Transferpette® S, fixed-volume

Volume range [μl]	*R* ≤ ± %	CV* ≤ %	Recommended tip type [μl]
10	1	0.5	0.5–20
20	0.8	0.4	2–200
25	0.8	0.4	2–200
50	0.8	0.4	2–200
100	0.6	0.2	2–200
200	0.6	0.2	2–200
500	0.6	0.2	50–1000
1000	0.6	0.2	50–1000
2000	0.8	0.3	500–5000

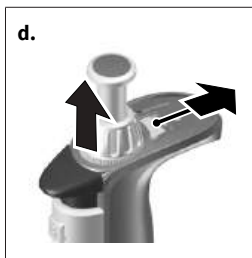
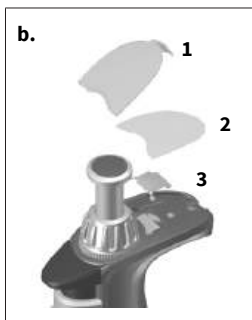
\*A = Accuracy, CV = Coefficient of Variation



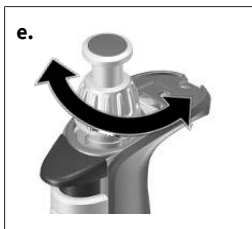
Final test values based on the nominal volume (= max. volume) printed on the device and the specified partial volumes at the same temperature (20 °C/68 °F) of the device, surroundings and distilled water, in accordance with DIN EN ISO 8655.

## 7 Adjustment – Easy Calibration

The instrument is permanently calibrated for aqueous solutions. If it is determined that the pipette is operating inaccurately or to adjust the instrument to work with solutions of varying density and viscosity or with specially-shaped pipette tips, it can be calibrated using the Easy Calibration Technique.



- Perform a volume check and determine the actual value; see Checking the volume.
- Remove label window (1) and labeling film (2): Gently move the clamp and lift it off.
- Using a paper clip or an unused pipette tip, remove the protective film (3) (the protective film can be discarded).
- Slide the red adjustment slider back completely, lift the volume-setting wheel (decoupling) and release the adjustment slider.



- e. Set the adjustment value:  
*Transferpette® S, adjustable:* with the volume-setting wheel in the UNLOCK position, set to the previously determined actual value.  
*Transferpette® S, fixed-volume:* set the volume by rotating in the +/- direction.  
A volume check is recommended after every adjustment.



- f. Slide the adjustment slider completely back again, push the volume-setting wheel downward and release the adjustment slider. Re-attach the labeling film and reassemble the label window.

#### NOTICE

The change to factory settings is indicated by the red adjustment slider now visible in the label window.

## 8 Disinfection/autoclaving

### 8.1 Autoclaving

The Pipette is completely autoclavable at 121 °C (250 °F), 2 bar and a holding time of at least 15 minutes, in accordance with DIN EN 285.

- a. Eject the pipette tip.
- b. Autoclave the complete pipette without any further disassembling.
- c. Allow the pipette to completely cool and dry.

#### NOTICE

The effectiveness of autoclaving must be verified by the user. Maximum safety is achieved through vacuum sterilization. We recommend the use of sterilization bags.

#### NOTICE

Prior to autoclaving, the volume-setting wheel must be set on an available numbered value (e.g., 11.25 or 11.26, but not between), with the volume-change protection set to fully unlocked (UNLOCK).

If the pipette is autoclaved frequently, the piston and seal should be greased with the supplied silicone grease in order to ensure proper movement. After autoclaving, tighten the connection between the hand grip and the pipette shaft if necessary.

### 8.2 UV sterilization

The device is resistant to normal exposure to a UV disinfection lamp. The effects of the UV exposure may cause some color change.

## 8.3 PE filter

PE filter for Transferpette® S 2 ml, 5 ml + 10 ml:

A hydrophobic PE filter is used to prevent liquid from entering the pipette.

Change the filter if it becomes wet or contaminated.

- a. Use a flat object, such as a screwdriver.
- b. Remove the filter carefully, without damaging the tip cone.

Remove the filter before autoclaving!

The device can also be operated without a filter.

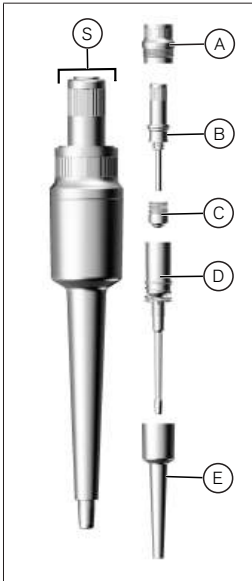
# 9 Maintenance

## 9.1 Disassembling/cleaning (up to 1,000 µl)

- a. Check the pipette tip cone for damage.
- b. Inspect the piston and seal for contamination.
- c. Check the device for leaks.

We recommend using the BRAND leak detector, the BRAND PLT unit. As an alternative to this, aspirate a sample and hold the device vertically for approx. 10 s. If a drop forms at the pipette tip, follow the malfunction remedy, see Troubleshooting, p. 57 .

## Cleaning



- Detach the pipette shaft (S) from the handle by unscrewing it.
- Unscrew the upper part of the ejector unit (A) from the pipette shaft.
- Pull out the shaft (B, C and D) from the lower part of the ejector unit (E).
- Unscrew the piston unit (B).

### NOTICE

Do not disassemble the piston unit (B) any further!

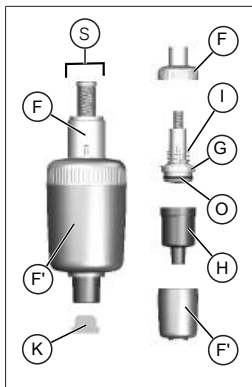
- Remove the seal with spring (C) (not possible on Transferpette® S 1 µl, 2.5 µl and 10 µl!).
  - Clean the parts shown with a soap solution or isopropanol, and then rinse with distilled water.
  - Dry the parts (max. 120 °C/248 °F).
  - Grease piston and seal with a very thin layer of supplied silicone grease.
- Reassemble the cooled parts in reverse order. Only hand-tighten the piston unit and the upper part of the ejector unit (A, B).

## 9.2 Disassembly/cleaning (2–10 ml)

- Check the pipette tip cone for damage.
- Inspect the piston and seal for contamination.
- Check the device for leaks.

We recommend using the BRAND leak detector, the BRAND PLT unit. As an alternative to this, aspirate a sample and hold the device vertically for approx. 10 s. If a drop forms at the pipette tip, follow the malfunction remedy, see Troubleshooting, p. 57.

### Cleaning



- Remove the entire shaft (S) from the handle by rotating at the upper end of the ejector (F) and remove the filter (K) from the bottom part of the shaft (H).
- Separate the bottom part of the ejector (F') by unscrewing it from the upper part of the ejector (F).
- Unscrew and dismantle the piston unit (G) with the ejector spring (I) and the bottom part of the shaft (H).
- Remove the O-ring-seal from the piston unit and clean it.

#### NOTICE

Do not disassemble the piston unit (G) any further!

- e. Clean the piston unit (G) and the bottom part of the shaft (H) with a soap solution or isopropanol, and then rinse with distilled water.
- f. Dry the parts (max. 120 °C/248 °F) and allow them to cool.
- g. Carefully lubricate the inside and outside of the O-ring (O) and mount it on the piston.



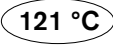
Reassemble the individual components in reverse order.

## 10 Troubleshooting

Fault	Possible causes	Corrective action
Tip dripping (device leaking)	Unsuitable tip	Only use high-quality tips
	Tip not seated tightly	Firmly press tip on
The instrument does not aspirate or aspirates too little; the dispensed volume is too low	Seal contaminated	Clean seal
	Seal or cone is damaged	Replace seal or shaft
	Piston is contaminated or damaged	Clean or replace piston
Aspiration is very slow	Shaft is clogged	Clean shaft
	Filter contaminated on 2 ml, 5 ml or 10 ml instruments	Change filter
Dispensed volume too large	Pipetting button pressed too far (to the over-stroke point) before aspirating	Ensure proper handling.
Piston sluggish	Piston is contaminated or not greased	Clean piston and apply grease



## 11 Product markings

Symbol or number	Meaning
	Read the user manual.
XXZXXXXX	Serial number
	The instrument is marked in accordance with the German Measurement and Calibration Act as well as the Measurement and Calibration Regulation. Character sequence DE-M (DE for Germany), framed by a rectangle, as well as the two last digits of the year the marking was affixed.
	Autoclavable up to the temperature shown
Data matrix	The data matrix refers to the BRAND MyProduct website.
<a href="http://www.brand.de/ip">www.brand.de/ip</a>	Hyperlink to BRAND patent site

## 12 Order Information

### 12.1 Order info/accessories

#### Transferpette® S, fixed-volume

Volume	Description	Order No.
10 µl	F-10	<a href="#">705808</a>
20 µl	F-20	<a href="#">705816</a>
25 µl	F-25	<a href="#">705820</a>
50 µl	F-50	<a href="#">705828</a>
100 µl	F-100	<a href="#">705838</a>
200 µl	F-200	<a href="#">705844</a>
500 µl	F-500	<a href="#">705854</a>
1,000 µl	F-1000	<a href="#">705862</a>
2000 µl	F-2000	<a href="#">705864</a>

#### Transferpette® S, adjustable

Volume	Description	Order No.
0.1–1 µl	D-1	<a href="#">705868</a>
0.1–2.5 µl	D-2.5	<a href="#">705869</a>
0.5–10 µl	D-10	<a href="#">705870</a>
2–20 µl	D-20	<a href="#">705872</a>
5–50 µl	D-50	<a href="#">705873</a>
10–100 µl	D-100	<a href="#">705874</a>
20–200 µl	D-200	<a href="#">705878</a>
100–1,000 µl	D-1000	<a href="#">705880</a>
0.5–5 ml	D-5000	<a href="#">705882</a>
1–10 ml	D-10000	<a href="#">705884</a>

## Table stand



Description	Order No.
Table stand for 6 Transferpette® S or 6 Transferpette® S -8/-12	<a href="#">704807</a>

## Wall mount



Description	Order No.
Wall mount for 1 Transferpette® S or 1 Transferpette® S -8/-12	<a href="#">704812</a>

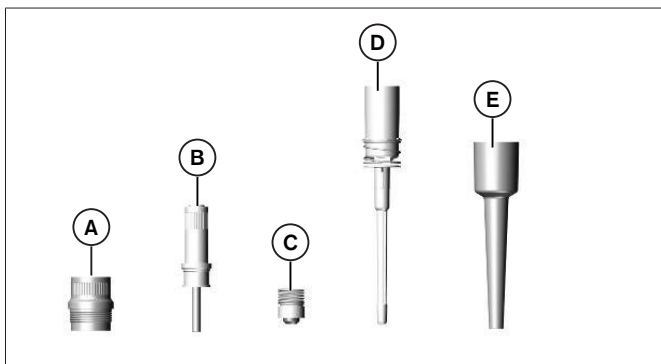
## Shelf/rack mount



Description	Order No.
Shelf mount for 1 Transferpette® S or 1 Transferpette® S -8/-12	<a href="#">704811</a>

## 12.2 Spares

### 12.2.1 Transferpette® S up to 1,000 µl



Spare parts for Transferpette® S, nominal volume 20–200 µl. The appearance and dimensions of the spare parts correspond to the respective nominal volume.

- |          |                       |          |                           |
|----------|-----------------------|----------|---------------------------|
| <b>A</b> | Ejector (upper part)  | <b>B</b> | Piston unit               |
| <b>C</b> | Seal with spring      | <b>D</b> | Shaft with ejector spring |
| <b>E</b> | Ejector (bottom part) |          |                           |

### Transferpette® S, fixed-volume

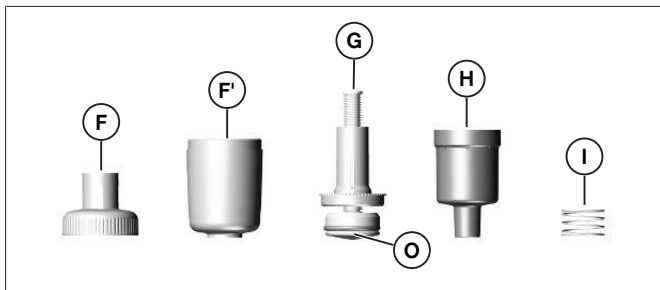
Volume	A	B	C	D	E
10 µl	<a href="#">705508</a>	<a href="#">704601</a>	–	<a href="#">704721</a> *	<a href="#">704739</a>
20 µl	<a href="#">705509</a>	<a href="#">704602</a>	<a href="#">704610</a>	<a href="#">704723</a>	<a href="#">704740</a>
25 µl	<a href="#">705509</a>	<a href="#">704608</a>	<a href="#">704614</a>	<a href="#">704723</a>	<a href="#">704741</a>
50 µl	<a href="#">705509</a>	<a href="#">704654</a>	<a href="#">704661</a>	<a href="#">704724</a>	<a href="#">704742</a>
100 µl	<a href="#">705509</a>	<a href="#">704654</a>	<a href="#">704661</a>	<a href="#">704724</a>	<a href="#">704743</a>
200 µl	<a href="#">705509</a>	<a href="#">704655</a>	<a href="#">704662</a>	<a href="#">704725</a>	<a href="#">704745</a>
500 µl	<a href="#">705511</a>	<a href="#">704656</a>	<a href="#">704663</a>	<a href="#">704726</a>	<a href="#">704746</a>
1,000 µl	<a href="#">705511</a>	<a href="#">704656</a>	<a href="#">704663</a>	<a href="#">704726</a>	<a href="#">704747</a>

## Transferpette® S, adjustable

Volume	A	B	C	D	E
0.1–1 µl	<a href="#">705508</a>	<a href="#">704600</a>	–	<a href="#">704718*</a>	<a href="#">704730</a>
0.1–2.5 µl	<a href="#">705508</a>	<a href="#">704616</a>	–	<a href="#">704719*</a>	<a href="#">704731</a>
0.5–10 µl	<a href="#">705508</a>	<a href="#">704601</a>	–	<a href="#">704721*</a>	<a href="#">704732</a>
2–20 µl	<a href="#">705509</a>	<a href="#">704602</a>	<a href="#">704610</a>	<a href="#">704723</a>	<a href="#">704733</a>
5–50 µl	<a href="#">705509</a>	<a href="#">704615</a>	<a href="#">704617</a>	<a href="#">704722</a>	<a href="#">704734</a>
10–100 µl	<a href="#">705509</a>	<a href="#">704654</a>	<a href="#">704661</a>	<a href="#">704724</a>	<a href="#">704735</a>
20–200 µl	<a href="#">705509</a>	<a href="#">704655</a>	<a href="#">704662</a>	<a href="#">704725</a>	<a href="#">704736</a>
100–1000 µl	<a href="#">705511</a>	<a href="#">704656</a>	<a href="#">704663</a>	<a href="#">704726</a>	<a href="#">704737</a>

\* Seal permanently installed in shaft – not removable!

### 12.2.2 Transferpette® S, 2 ml, 5 ml and 10 ml



Spare parts for Transferpette® S, nominal volume 5 ml. The appearance and dimensions of the spare parts correspond to the respective nominal volume.

- F** Ejector (upper part)
- G** Piston unit
- I** Ejector spring

- F'** Ejector (bottom part)
- H** Shaft (bottom part)
- O** O-ring

## Transferpette® S, fixed-volume and adjustable

Volume	F + F'	G	H	I	O
2 ml	<a href="#">704765</a>	<a href="#">704606</a>	<a href="#">703247</a>	<a href="#">704626</a>	<a href="#">7288</a>
0.5–5 ml	<a href="#">704766</a>	<a href="#">704606</a>	<a href="#">703247</a>	<a href="#">704626</a>	<a href="#">7288</a>
1–10 ml	<a href="#">704767</a>	<a href="#">704607</a>	<a href="#">704628</a>	<a href="#">704626</a>	<a href="#">7298</a>

## 12.3 Additional accessories

Description	Order no.
Filter for Transferpette® S 2 ml + 5 ml, PU 25 pc.	<a href="#">704652</a>
Filter for Transferpette® S 10 ml, PU 25 pc.	<a href="#">704653</a>
Silicone grease for Transferpette® S up to 1,000 µl	<a href="#">705502</a>
Silicone grease for Transferpette® S 2 ml/5 ml/10 ml	<a href="#">703677</a>
Label window, PU 1 pc.	<a href="#">704750</a>
Labeling film, PU 5 pcs.	<a href="#">704751</a>
PLT unit (pipette leak detector)	<a href="#">703970</a>

# 13 Repairs

## 13.1 Sending for repair

### NOTICE

Transporting of hazardous materials without a permit is a violation of federal law.

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### Clean the instrument thoroughly and decontaminate!

- When returning products, please enclose a general description of the type of malfunction and the media used. If information regarding media used is missing, the instrument cannot be repaired.
- Only send the device without a battery installed.
- Shipment is at the risk and the cost of the sender.

### Outside USA and Canada

Complete the “Declaration on Absence of Health Hazards” and send the instrument to the manufacturer or supplier. Ask your supplier or manufacturer for the form. The form can also be downloaded from [www.brand.de](http://www.brand.de).

### Outside USA and Canada

Please clarify the requirements for the return delivery with BrandTech Scientific, Inc **before** sending the instrument in for service.

Return only cleaned and decontaminated instruments to the address provided with the Return Authorization Number. Place the Return Authorization number so that it is clearly visible on the outside of the package.

### Contact addresses

Germany:

USA and Canada:

BRAND GMBH + CO KG  
Otto-Schott-Straße 25  
97877 Wertheim (Germany)  
T +49 9342 808 0  
F +49 9342 808 98000  
info@brand.de  
www.brand.de

**India:**

BRAND Scientific Equipment Pvt. Ltd.  
303, 3rd Floor, 'C' Wing, Delphi  
Hiranandani Business Park,  
Powai  
Mumbai-400 076 (India)  
T +91 22 42957790  
F +91 22 42957791  
info@brand.co.in  
www.brand.co.in

BrandTech® Scientific, Inc.  
11 Bokum Road  
Essex, CT 06426-1506 (USA)  
T +1-860-767 2562  
F +1 - 860 - 767 2563  
info@brandtech.com  
www.brandtech.com

**China:**

BRAND (Shanghai) Trading Co., Ltd.  
Rm 201-202, North Tower,  
No. 199 Kaibin Rd, Xuhui District, Shanghai  
Shanghai 200030 (P.R. China)  
T +86 21 6422 2318  
F +86 21 6422 2268  
info@brand.com.cn  
www.brand.cn.com



## 14 Calibration service

The ISO 9001 and GLP guidelines require regular inspection of your volume measuring devices. We recommend performing a volume check every 3 to 12 months. The cycle is dependent on the individual requirements of the device. Checks should be performed more frequently, in case of high frequency of use or the use of aggressive media.

The complete SOP for testing can be downloaded from [www.brand.de](http://www.brand.de) or [www.brandtech.com](http://www.brandtech.com).

BRAND also offers you the option of having your devices calibrated through our factory calibration service or through our accredited calibration laboratory. Just send us the devices to be calibrated, indicating the type of calibration you would like. You will get your devices back in a few days. A detailed calibration report (factory calibration) or an accredited calibration certificate in accordance with DIN EN ISO/IEC 17025 is enclosed with each device. More information can be obtained from your retailer or directly from BRAND. The order document is available for download at [www.brand.de](http://www.brand.de) (Service & Support).

### For customers outside Germany

If you would like to use our calibration service, please contact one of our service partners in your region. Our service partners can forward your devices to BRAND for factory calibration, if required.

## 15 Information about your laboratory instrument

The online service MyProduct (<https://www.brand.de/myproduct>) offers quality certificates, equipment and technical documentation for your instrument Transferpette® S. When entering serial or article numbers you attain information to your individual instrument.

Furthermore you will find a data matrix code on some devices (Transferpette® S, HandyStep® touch as well as HandyStep touch® S). Scan the data matrix code with an usual reading app to call up the information via URL <https://www.brand.de/myproduct>.

## 16 Warranty

We shall not be liable for the consequences of improper handling, use, servicing, operating or unauthorized repairs of the device or for the consequences of normal wear and tear, especially of wearing parts such as pistons, seals, valves and the breakage of glass. The same applies for failure to follow the instructions of the operating manual. We are not liable for damage resulting from disassembly beyond that described in the operating manual or if non-original spare parts or components have been installed.

### **USA and Canada:**

Find more warranty information on [www.brandtech.com](http://www.brandtech.com).

## 17 Disposal

Before disposal, observe the relevant national disposal regulations, and ensure that the product is disposed of properly.