

Certified Ergonomics – For really relaxed work!



# Transferpette® electronic

F I R S T C L A S S · B R A N D

## Ergonomics – approved and certified.

The BRAND Transferpette® electronic pipettes combine the innovation of BRAND mechanical pipettes with electronic control and motorized operation to optimize ergonomics, accuracy and ease of use. All confirmed by the Technical Control Board of Rhineland with the Ergonomics Certificate.

### ■ Ergonomic

- Functional, ergonomic housing design
- Individually adjustable finger rest

### ■ Easy operation

- Intuitive menu structure

### ■ Innovative

- Significantly reduced tip attachment and ejection forces

### ■ Convenient programs

- Pipetting
- Reverse pipetting
- Mixing
- GEL-Electrophoresis
- Dispensing
- Easy Calibration Technique

### ■ Ready for use

- 4000 pipetting cycles with one battery charge
- Battery refresh function





## The first worldwide!

The Transferpette® electronic was the first microliter pipette recognized with the ergonomics approved certificate from the Technical Control Board Rhineland/Berlin-Brandenburg! Independent and neutral user tests confirm the ergonomics and the operating ease of the product and system! A user acceptance rating of **1.54** for the single channel Transferpette® electronic or **1.55** for the multichannel Transferpette® electronic is an outstanding result. You can obtain information about the single and multichannel Transferpette® electronic pipettes at [www.tuv.com](http://www.tuv.com); ID No. 0011105500 and 5211207400.

# Certified Ergonomics

## Adapts to your hand

The optimal position of the thumb relative to the functional elements of the pipette is the starting point for a relaxed grip. The relaxed hand is an essential part of avoiding Repetitive Strain Injuries – RSI – from serial pipetting operations. The adjustable finger rest lets the Transferpette® electronic adapt to your hand for greatest comfort, whether you are left- or right-handed.

## Easy handling – simple to operate

The menus are simple and obvious...there's no long learning curve or complicated programming. You just select the pipetting technique you've always used with mechanical pipettes, but benefit from a power-assist! The technical instructions are especially user friendly and always guide you through all functions with explanatory illustrations and straight-forward explanations.

## Lightweight

Innovative engineering and high quality materials preserve the light weight of the popular mechanical Transferpette® pipettes, while adding the control advantages of electronics.

## Transferpette® electronic



## Transferpette®-8 electronic



## Adjustable finger rest

Intensive and repeated work with poor ergonomic design can lead to muscular problems from the recurring stress. This is known as repetitive strain injury (RSI).

In the laboratory, such injuries include tenosynovitis and carpal tunnel syndrome. To allow you to perform pipetting in a relaxed manner, the Transferpette® electronic has a continuously adjustable finger rest.

This allows every user whether right- or left-handed, with large hands or small – to position the pipette in the hand so that the functional elements are within easy reach. The grip remains natural and comfortable for near effortless operation.



# A Closer look...

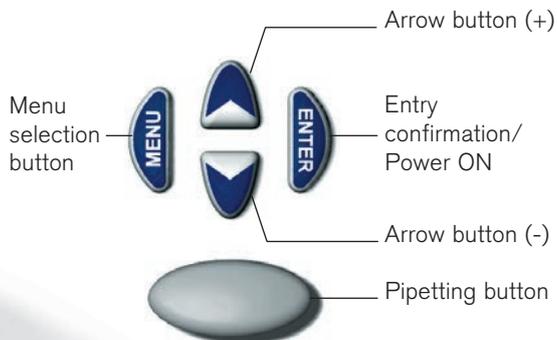
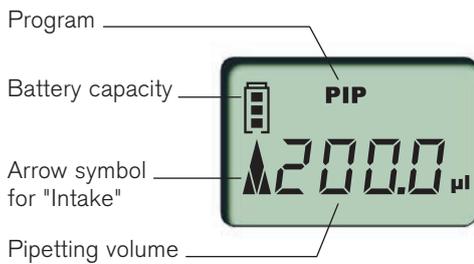
## Models

### Ergonomics – approved and certified.

Transferpette® electronic single channel pipette is available in 5 different models: 0.5-10 µl, 2-20 µl, 10-200 µl, 50-1000 µl and 250-5000 µl.

The Transferpette®-8/-12 electronic multichannel pipette is available in 5 different models: 0.5-10 µl, 1-20 µl, 5-100 µl, 10-200 µl and 15-300 µl.

Designed for comfort in your relaxed hand, the Transferpette® electronic adds simple operating software and well-illustrated documentation to produce a uniquely user-friendly experience.



# A Closer Look...



Large, clear display .....

Intuitive operation of all functions using 4 keys .....

Big pipetting button .....

Ergonomically arranged ejection button with color code for pipette volume and tip size .....

..... Complete manifold can be autoclaved at 121 °C and rotates freely 360° in either direction.

..... Stepped tip ejector reduces ejection forces significantly.

..... O-rings made of FKM resp. silicone allow effortless mounting and easy ejection of the tips, and readily adapt to tips from various manufacturers.

## No problem even with eight or twelve channels

The operation of 8- or 12-channels simultaneously multiplies the risk of RSI if the forces are not properly managed. The Transferpette® electronic manages them with a simple tap of the pipetting button; pipetting forces are uniform and negligible. A combination of innovations – including resilient O-rings on the tip cones, a stepped tip ejector, the manifold stabilizer and adjustable hand position – all work together to creatively reduce ejection forces when working with a 8- or 12-channel Transferpette® electronic.



Individual shafts with seals can be easily unscrewed with only a simple gripping tool, which is supplied. Tip cones and seals can now be easily cleaned or replaced. This patented procedure eliminates the expense and long downtime associated with sending pipettes out for service, ensuring long service life and low operating costs. Recalibration is not required!

# Innovative

## Tip cone with soft-seal components!



Two optional accessories are available for the single-channel Transferpette® models with volume ranges of 10-200 µl and 50-1000 µl. One is a patented shaft tip that is co-molded of hard and resilient components. Also available are three ejector clips. These ensure that tips are not mounted with more force than needed to seal, so that tip ejection will take only a light touch.

The benefits of these accessories are especially noticeable in prolonged pipetting runs, where the cumulative strain of repetitive pipetting is the greatest risk.



### Visual inspection!

A resilient sealing ring not only adapts the pipette to small tip variations, but also provides a very distinct visual check for the correct seating and sealing of the tip.



### Ejector Clips

Not available on single channel models with volume ranges of 0.5 - 10 µl, 2 - 20 µl or 250 - 5000 µl

## No Downtime!

The Transferpette® electronic draws its energy from an NiMH battery.

One battery charge allows you to perform over 4000 pipetting cycles.

During the charging process, you can continue to pipette, taking advantage of the handy one-meter charging cable.



## Minimal Operating Force!

### Freely rotatable over 360° in both directions! Complete manifold can be autoclaved!

The pipette manifold is freely rotatable with respect to the handle over 360° in both directions, so that you can always work at a relaxed and convenient angle to the titer plate.

Unscrew the manifold from the grip with a few quick turns, and autoclave the entire manifold at 121 °C without any further disassembly.



### Stepped surface

### silicone seal ring

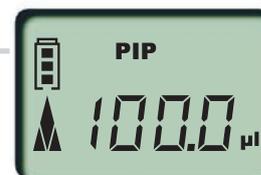
The shaft and resilient, silicone O-seal rings are designed so that only minimal attachment force is needed for solid and parallel tip seating. The stepped design allows the ejection force to be distributed to tips sequentially, but within fractions of a second, reducing ejection forces by 75% or more compared with unstepped ejector designs.

Besides pipetting comfort, an important design goal for the Transferpette® electronic was rapid and intuitive work, and simple, fast program changes. The objective was to gain the advantages of electronic operation with no trade-offs. To simplify operation, complicated programs for rarely used functions were omitted. Thus, the Transferpette® electronic includes all of the functions used routinely in mechanical pipettes, while adding the ergonomic and performance advantages of power-assisted operation and digital accuracy. The functions of the Transferpette® electronic are simple to set and convenient to use.



## Pipetting (PIP Mode)

The 'standard' program.  
The set volume is aspirated by the pipette,  
and then discharged.



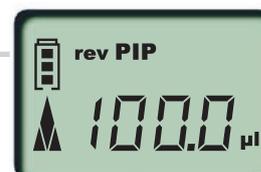
## Mixing of Samples (PIPMix Mode)

Program for mixing of liquids. The sample is  
repeatedly aspirated and discharged, and the  
number of mixing cycles is displayed.



## Reverse Pipetting (revPIP Mode)

Program specially designed for the pipetting  
of liquids with a high viscosity, high vapor  
pressure or foamy media.



## Pipetting with Electrophoresis (GEL Mode)\*

Program for the loading of electrophoresis gels\*\*.  
The required sample volume is aspirated at the desired,  
adjustable speed, and is then discharged very slowly.  
The exact volume of liquid discharged is shown in the  
display as it is discharged.



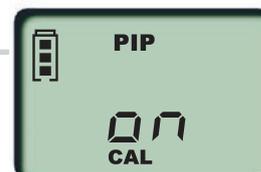
## Dispensing (DISP Mode)

A program for the dispensing of liquids in a series  
of equal aliquots. A volume that has been aspirated  
is dispensed in steps.



## Easy Calibration Technique (CAL Mode)

Every laboratory that is certified according to ISO 9001 or ac-  
credited according to ISO/IEC 17025 or works according to  
the GLP/GMP guidelines must regularly calibrate its testing  
equipment and adjust as necessary. Program for making quick  
adjustments to the instrument, without tools. By changing the  
factory setting, <CAL> appears automatically in the display.



## Battery-Refresh (batt Mode)

Regeneration function for increased performance and  
extending the service life of the batteries. The world's  
first microliter pipette with this function.



\* The GEL mode is not included in the 1000 µl and 5000 µl single channel pipettes because these volumes are rarely used in electrophoresis.

\*\* Patented

# Tip Top Performance...

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## Pipette Tips and Filter Tips



Pipette tips, filter tips as well as primary packaging from BRAND are manufactured in a cleanroom under the most modern production conditions, and are automatically rack packed and packaged to ensure that the tips are of consistently high quality. For the manufacture, BRAND exclusively uses raw materials that are free from the additives di(2-hydroxyethyl)methyldodecylammonium (DiHEMDA) and 9-octadecenamide (oleamide).

- Standard- and Ultra Low Retention pipette tips
- High-purity polypropylene, free from DiHEMDA and oleamide
- Manufactured without lubricants
- Cadmium-free pigments
- Graduation for a quick volume check
- All racked tips and filter tips up to 1000  $\mu$ l are free of DNA (< 40 fg), RNase (< 8.6 fg), endotoxins (< 1 pg) and ATP (< 1 fg)
- Autoclavable at 121 °C (2 bar), acc. DIN EN 285
- Environmentally friendly packaging systems
- CE-marked according to IVD-Directive 98/79 EC
- Production is performed in Class 8 cleanroom, validated according to ISO 14 644-1.



TipBox



# Tip Top Performance...

## TipBox – TipRack – TipStack™ System

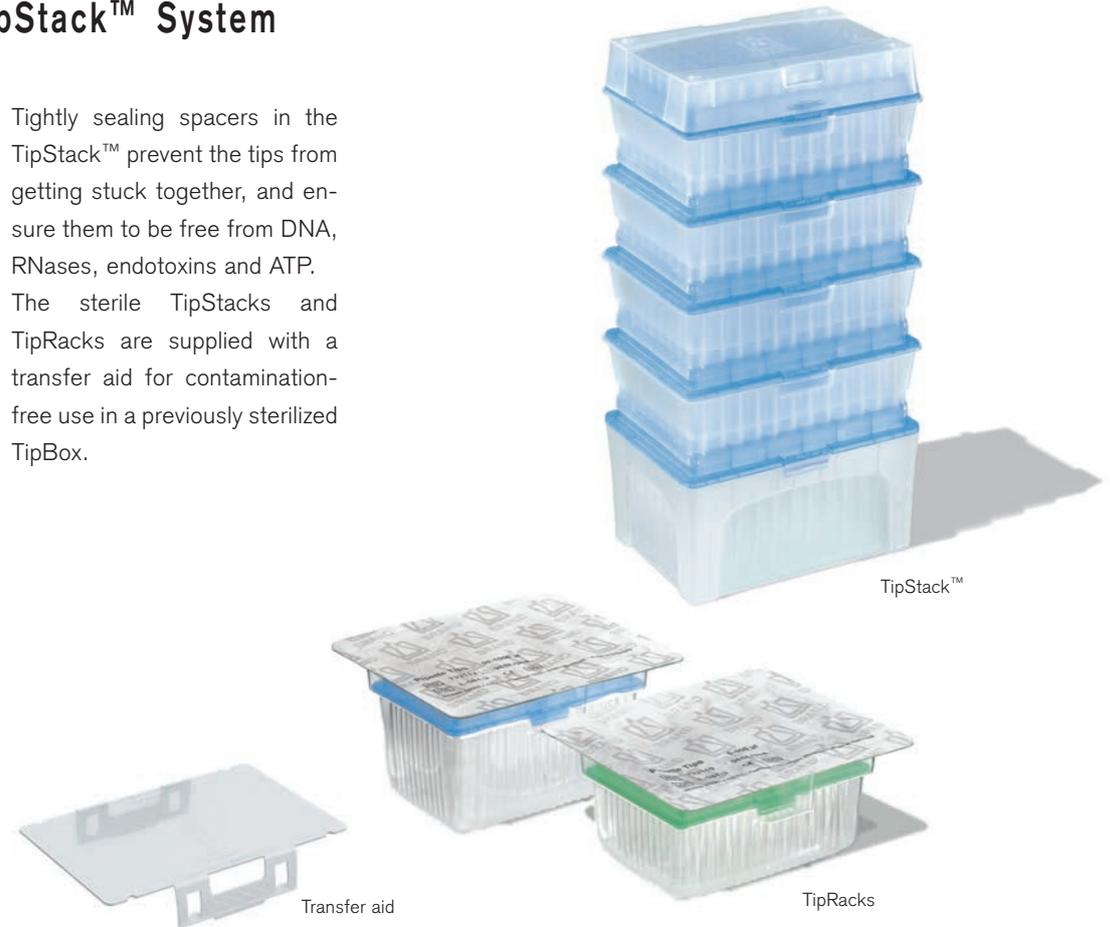
The tip system from BRAND has many distinctive features. The TipBox is equipped with transparent window for better all-round visual inspection. The side panel labeling on the colored tip-trays are always clearly visible.

The lid of the TipBox can be used as hinged and push-on lid. Simply rotate 180°.

Usable with a partially loaded multichannel pipette. The rimless tip-tray border enables problem-free loading of individual pipette tips with multichannel instruments.

Tightly sealing spacers in the TipStack™ prevent the tips from getting stuck together, and ensure them to be free from DNA, RNases, endotoxins and ATP.

The sterile TipStacks and TipRacks are supplied with a transfer aid for contamination-free use in a previously sterilized TipBox.



TipStack™

Transfer aid

TipRacks



Pipette tips Filter tips Volume range	Transferpette® electronic single channel Nominal volume					Transferpette® electronic multichannel Nominal volume				
	10 µl	20 µl	200 µl	1000 µl	5000 µl	10 µl	20 µl	100 µl	200 µl	300 µl
	●	●	●	●	●	●	●	●	●	●
0,1 - 20 µl	✓ <sub>2)</sub>	✓ <sub>2)</sub>				✓	✓			
0,5 - 20 µl	✓	✓				✓	✓			
1 - 50 µl	✓	✓				✓	✓			
2 - 200 µl <sup>1)</sup>			✓					✓	✓	✓
5 - 300 µl			✓					✓	✓	✓
50 - 1000 µl <sup>1)</sup>				✓						
0,5 - 5 ml					✓					
1 - 10 ml										
0,1 - 1 µl	✓ <sub>2)</sub>					✓				
0,5 - 10 µl	✓	✓				✓	✓			
1 - 20 µl	✓	✓				✓	✓			
2 - 20 µl			✓					✓	✓	
5 - 100 µl			✓					✓	✓	✓
5 - 200 µl			✓					✓	✓	✓
50 - 1000 µl				✓						

✓ = Tip volume less than pipette's nominal volume

<sup>1)</sup> Bulk tips are yellow or blue colored, racked tips are colorless in a yellow-colored or blue-colored tip tray

<sup>2)</sup> Calibration and adjustment may be necessary.

# Ordering date

## Transferpette® electronic

Items supplied: each Transferpette® electronic pipette has DE-M marking and is supplied with performance certificate, battery, AC adapter, silicone grease.



Capacity, $\mu\text{l}$ (color-coded)	Subdiv. $\mu\text{l}$	$A^* \leq \pm$ % $\mu\text{l}$		$CV^* \leq$ % $\mu\text{l}$		With AC adapter for	Cat. No.
● 0.5 - 10	0.01	1.0	0.1	0.4	0.04	Europe (continental)	<b>7052 99</b>
						UK/Ireland	<b>7053 09</b>
						USA/Japan	<b>7053 19</b>
						Australia	<b>7053 29</b>
						without AC adapter	<b>7053 39</b>
● 2 - 20	0.02	1.0	0.2	0.4	0.08	Europe (continental)	<b>7053 00</b>
						UK/Ireland	<b>7053 10</b>
						USA/Japan	<b>7053 20</b>
						Australia	<b>7053 30</b>
						without AC adapter	<b>7053 40</b>
● 10 - 200	0.2	0.8	1.6	0.2	0.4	Europe (continental)	<b>7053 03</b>
						UK/Ireland	<b>7053 13</b>
						USA/Japan	<b>7053 23</b>
						Australia	<b>7053 33</b>
						without AC adapter	<b>7053 43</b>
● 50 - 1000	1.0	0.6	6	0.2	2	Europe (continental)	<b>7053 06</b>
						UK/Ireland	<b>7053 16</b>
						USA/Japan	<b>7053 26</b>
						Australia	<b>7053 36</b>
						without AC adapter	<b>7053 46</b>
● 250 - 5000	5.0	0.6	30	0.2	10	Europe (continental)	<b>7053 07</b>
						UK/Ireland	<b>7053 17</b>
						USA/Japan	<b>7053 27</b>
						Australia	<b>7053 37</b>
						without AC adapter	<b>7053 47</b>

\* Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth, steady operation. The error limits are well within the limits of DIN EN ISO 8655-2. DE-M marking. A = Accuracy, CV = Coefficient of variation

**Note!**  When ordering instruments with DAkkS calibration certificates, the prefix 'DAkkS' must be added to the order number, e.g., DAkkS 7052 99.

BRAND also offers calibration service at the factory lab.

## Transferpette®-8 electronic

Items supplied: each Transferpette®-8 electronic pipette has DE-M marking and is supplied with performance certificate, battery, AC adapter, device stand, TipBox, refill unit, reagent reservoir, mounting tool, silicone grease and 1 set of sealing rings made of silicone.

Capacity, µl (color-coded)	Subdivision µl	A* ≤ ± % µl	CV* ≤ % µl	With AC adapter for	Cat. No.
● 0.5 - 10	0.01	1.2 0.12	0.8 0.08	Europe (continental) UK/Ireland USA/Japan Australia	7053 99 7054 09 7054 19 7054 29
● 1 - 20	0.02	1.0 0.2	0.5 0.1	Europe (continental) UK/Ireland USA/Japan Australia	7054 00 7054 10 7054 20 7054 30
● 5 - 100	0.1	0.8 0.8	0.25 0.25	Europe (continental) UK/Ireland USA/Japan Australia	7054 03 7054 13 7054 23 7054 33
● 10 - 200	0.2	0.8 1.6	0.25 0.5	Europe (continental) UK/Ireland USA/Japan Australia	7054 04 7054 14 7054 24 7054 34
● 15 - 300	0.5	0.6 1.8	0.25 0.75	Europe (continental) UK/Ireland USA/Japan Australia	7054 06 7054 16 7054 26 7054 36



## Transferpette®-12 electronic

Items supplied: each Transferpette®-12 electronic pipette has DE-M marking and is supplied with performance certificate, battery, AC adapter, device stand, TipBox, refill unit, reagent reservoir, mounting tool, silicone grease and 1 set of sealing rings made of silicone.

Capacity, µl (color-coded)	Subdivision µl	A* ≤ ± % µl	CV* ≤ % µl	With AC adapter for	Cat. No.
● 0.5 - 10	0.01	1.2 0.12	0.8 0.08	Europe (continental) UK/Ireland USA/Japan Australia	7054 49 7054 59 7054 69 7054 79
● 1 - 20	0.02	1.0 0.2	0.5 0.1	Europe (continental) UK/Ireland USA/Japan Australia	7054 50 7054 60 7054 70 7054 80
● 5 - 100	0.1	0.8 0.8	0.25 0.25	Europe (continental) UK/Ireland USA/Japan Australia	7054 53 7054 63 7054 73 7054 83
● 10 - 200	0.2	0.8 1.6	0.25 0.5	Europe (continental) UK/Ireland USA/Japan Australia	7054 54 7054 64 7054 74 7054 84
● 15 - 300	0.5	0.6 1.8	0.25 0.75	Europe (continental) UK/Ireland USA/Japan Australia	7054 56 7054 66 7054 76 7054 86



\* Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth, steady operation. The error limits are well within the limits of DIN EN ISO 8655-2. DE-M marking. A = Accuracy, CV = Coefficient of variation

# Accessories

## 3-device charging stand for Transferpette® electronic (up to 1000 µl)

You can use the 3-device charging stand to charge up to three single channel pipettes at the same time. Pack of 1.

for Transferpette® electronic with AC adapter for

	Cat. No.
Europe (continental) (230V/50Hz)	7053 90
UK/Ireland (230V/50Hz)	7053 91
USA/Japan (110V/50-60Hz)	7053 92
Australia (240V/50Hz)	7053 93



## Individual stand for Transferpette® electronic

Also suitable for corresponding models of Transferpette® and Transferpette® S pipettes. Pack of 1.

for Transferpette® electronic

	Cat. No.
up to 1000 µl	7053 85
250-5000 µl	7053 86



## Individual stand

For all Transferpette® multi-channel pipettes. Pack of 1.

Cat. No. 7034 40



## Reagent reservoir, PP

Non-sterile, with lid. Pack of 10.

Cat. No. 7034 59

Sterile, without lid. Packed individually. Pack of 100.

Cat. No. 7034 11

Sterile, without lid. 5 per bag. Pack of 200.

Cat. No. 7034 09



2



## Accessories for Transferpette® electronic 10-200 µl and 50-1000 µl

Description		Cat. No.
1 Ejector-adjustment clips (set of 3)	10 - 200 µl	7055 60
Ejector-adjustment clips (set of 3)	50 - 1000 µl	7055 62
2 Pipette shaft (complete)	10 - 200 µl	7055 43
Pipette shaft (complete)	50 - 1000 µl	7055 45

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California Residents: For more information concerning California Proposition 65, please refer to [www.brand.de/calprop65](http://www.brand.de/calprop65)

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BRAND GMBH + CO KG · P.O. Box 11 55 · 97861 Wertheim · Germany

Tel.: +49 9342 808-0 · Fax: +49 9342 808-98000 · E-Mail: [info@brand.de](mailto:info@brand.de) · Internet: [www.brand.de](http://www.brand.de)



# Transferpette® S



Genuine one-hand operation -  
set and lock volume, pipet, eject

Distinct precision and  
effortless operation

Volume-change protection  
for safe pipetting



**BRAND. For lab. For life.**



# Transferpette® S single and multichannel pipette

Precise and easy to use – the Transferpette® S microliter pipettes provide all features required for pipetting in Life Science applications! By using innovative materials, the Transferpette® S pipette has become a perfect manual pipette for demanding laboratory applications.

- Effortless one-handed operation – set and locking the volume, pipetting, ejecting – all without shifting hand position!
- Clearly visible volume display – 4 digits for precise setting. Always visible, even while pipetting.
- Completely autoclavable at 121 °C (20 min) without disassembly.
- Calibration adjustment with the Easy Calibration technique.

## Transferpette® S – the result of intensive ergonomic and operational studies

The genuine one-handed operation including volume adjustment for right and left-handers, as well as the reduced weight ensure easy and efficient pipetting in every volume range.

The short 12.5 mm stroke reduces the risk of RSI (Repetitive Strain Injury). This makes the Transferpette® S a very pleasant, reliable pipette with respect to its features!

The particular advantage of the multichannel pipette is easy operation, e.g., when performing serial pipetting of immunological assays, while making serial dilutions, or when filling 96-well plates for cell cultures. The perfect complement to the Transferpette® S single-channel pipette!



### More features

- Large, central pipetting button and separate ejection function
- Volume-change protection
- Corrosion-resistant pistons and ejector
- Color-coded volume range
- Transferpette® S 0.1 - 1 µl – highest precision for small volumes in molecular biology, especially for pipetting enzymes.
- 3-year warranty for single-channel pipettes
- UV resistant
- CE-**IVD**-compliant

## Transferpette® S

### Volume range:

The Transferpette® S pipette provides maximum versatility and optimum quality over the entire volume range.

There are 10 adjustable-volume single-channel pipettes and 9 fixed-volume single-channel pipettes available in the 0.1 µl to 10 ml range.

## Transferpette® S-8



There are 5 sizes of multichannel pipettes available in the 0.5 to 300 µl volume range.

## A perfect team with pipette tips by BRAND

BRAND pipette tips and filter tips fit perfectly on the Transferpette® S and many other pipettes.

The tips are manufactured from high-quality materials in a state-of-the-art cleanroom in Germany. Thus, all racked tips and

filter tips up to 1000 µl are free of DNA (<40 fg), RNase (<8.6 fg), endotoxins (<1 pg), and ATP (<1 fg), and ensure contamination-free work.

BRAND offers a full tip system for any application requirement.



# At a glance ...



Genuine one-hand operation



Label on the finger rest for individual marking



Changes from factory calibration settings are externally visible by recalibration flag

**Centrally located!**  
Large pipetting button allows uniform, smooth movement of the piston.

**Secure!**  
A brake helps protect against accidental volume changes.

**Clearly accurate!**  
4-digit volume display for precise volumes. Always remains visible during pipetting.

**Color-coded!**  
Color indicates volume range

**Slim!**  
If the tip fits in the vessel, so does the shaft – no retrofitting necessary!

**Maximum compatibility!**  
The tip cone design offers excellent fit with pipette tips from BRAND and broadest compatibility with tips from most other manufacturers.



**Fast!**  
One-handed volume setting  
for both right- and left-  
handed users – even with  
gloves!

**Effortless!**  
Ergonomically arranged  
tip ejection button with  
color code according to  
volume range.

**Maximum protection!**  
Completely autoclavable  
at 121 °C (20 min) without  
disassembly – for maximum  
protection from contamination!

**Low strain!**  
Special O-rings made of  
silicone / FKM and the stepped  
design of the tip ejector reduce  
attachment and ejection forces.

**Individual shafts** and  
seals of the multichannel  
pipette Transferpette® S  
-8/-12 can be easily  
unscrewed (patented)  
and easily cleaned or  
replaced. Saves cost  
and downtime!



# Technical Data

Items supplied:

Transferpette® S, adjustable volume, DE-M marking, performance certificate, shelf/rack mount and silicone grease.



## Transferpette® S, adjustable volume

Capacity, µl (color-coded)	Description	A* ≤ ±		CV* ≤		Subdivision µl	Cat. No.
		%	µl	%	µl		
● 0.1 - 1	D-1 ①	2	0.02	1.2	0.012	0.001	<b>7047 68</b>
● 0.1 - 2.5	D-2,5 ②	1.4	0.035	0.7	0.018	0.002	<b>7047 69</b>
● 0.5 - 10	D-10	1	0.1	0.5	0.05	0.01	<b>7047 70</b>
● 2 - 20	D-20	0.8	0.16	0.4	0.08	0.02	<b>7047 72</b>
● 5 - 50	D-50	0.8	0.4	0.3	0.15	0.05	<b>7047 73</b>
● 10 - 100	D-100	0.6	0.6	0.2	0.2	0.1	<b>7047 74</b>
● 20 - 200	D-200	0.6	1.2	0.2	0.4	0.2	<b>7047 78</b>
● 100 - 1000	D-1000	0.6	6	0.2	2	1	<b>7047 80</b>
● 500 - 5000	D-5000 ③	0.6	30	0.2	10	5	<b>7047 82</b>
● 1000 - 10000	D-10000 ④	0.6	60	0.2	20	10	<b>7047 84</b>



## Transferpette® S, fixed volume

Capacity, µl (color-coded)	Description	A* ≤ ±		CV* ≤		Cat. No.
		%	µl	%	µl	
● 10	F-10	1	0.1	0.5	0.05	<b>7047 08</b>
● 20	F-20**	0.8	0.16	0.4	0.08	<b>7047 16</b>
● 25	F-25	0.8	0.2	0.4	0.1	<b>7047 20</b>
● 50	F-50	0.8	0.4	0.4	0.2	<b>7047 28</b>
● 100	F-100	0.6	0.6	0.2	0.2	<b>7047 38</b>
● 200	F-200**	0.6	1.2	0.2	0.4	<b>7047 44</b>
● 500	F-500	0.6	3	0.2	1	<b>7047 54</b>
● 1000	F-1000	0.6	6	0.2	2	<b>7047 62</b>
● 2000	F-2000	0.8	16	0.3	6	<b>7047 64</b>

\* Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth operation.  
A = Accuracy, CV = Coefficient of variation

\*\* For use only with 2-200 µl pipette tips

### Note:

- ① D-1 for use only with nano-cap™ tip from BRAND.
- ② D-2.5: when using BRAND nano-cap™ tips or tips from other manufacturers, calibration and possibly adjustment is necessary.
- ③ D-5000 for use only with 5 ml tip from BRAND and 5 ml tip from Thermo Fisher Scientific Inc. (Finnpipette®).
- ④ D-10000 for use with 10 ml tip from BRAND and appropriate tips from Gilson® and Eppendorf®.



## Pipette-Sets, Transferpette® S, adjustable volume

Type	Description	Cat. No.
MICRO	3 Pipettes (D-2,5, D-10, D-100), 3 TipBox, 3 shelf/rack mounts	<b>7047 90</b>
MIDI	3 Pipettes (D-20, D-200, D-1000), 3 TipBox, 3 shelf/rack mounts	<b>7047 91</b>
MACRO	3 Pipettes (D-1000, D-5000, D-10000), 3 TipBox, 3 shelf/rack mounts	<b>7047 92</b>
STANDARD	3 Pipettes (D-10, D-100, D-1000), 3 TipBox, 3 shelf/rack mounts	<b>7047 93</b>
Pipette package 1	5 Pipettes (D-2,5, D-10, D-100, D-200, D-1000), 3 TipBox, bench-top rack	<b>7048 50</b>
Pipette package 2	5 Pipettes (D-10, D-100, D-200, D-1000, D-5000), 4 TipBox, bench-top rack	<b>7048 51</b>

# Technical Data

Items supplied:

Transferpette® S-8/-12, DE-M marking, with performance certificate, 2 x TipBox, filled with pipette tips from BRAND, 1 shelf/rack mount, 1 reagent reservoir, 1 mounting tool, silicone grease and 1 set of sealing rings made of silicone/FKM.



## Transferpette® S-8

Capacity, µl (color-coded)	Description	A* ≤ ± %	CV* ≤ %	Subdivision µl	Cat. No.
● 0.5 - 10	M8-10	1.6	1.0	0.01	<b>7037 00</b>
● 5 - 50	M8-50	0.8	0.4	0.05	<b>7037 06</b>
● 10 - 100	M8-100	0.8	0.3	0.1	<b>7037 08</b>
● 20 - 200	M8-200	0.8	0.3	0.2	<b>7037 10</b>
● 30 - 300	M8-300	0.6	0.3	0.5	<b>7037 12</b>



## Transferpette® S-12

Capacity, µl (color-coded)	Description	A* ≤ ± %	CV* ≤ %	Subdivision µl	Cat. No.
● 0.5 - 10	M12-10	1.6	1.0	0.01	<b>7037 20</b>
● 5 - 50	M12-50	0.8	0.4	0.05	<b>7037 26</b>
● 10 - 100	M12-100	0.8	0.3	0.1	<b>7037 28</b>
● 20 - 200	M12-200	0.8	0.3	0.2	<b>7037 30</b>
● 30 - 300	M12-300	0.6	0.3	0.5	<b>7037 32</b>

\* Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth operation.  
A = Accuracy, CV = Coefficient of variation

**Note!**  When ordering instruments with DAkKS calibration certificates, the prefix 'DAkKS' must be added to the order number, e.g., DAkKS 7047 28.

## Accessories



### Bench-top rack

For 6 Transferpette® S or Transferpette® S-8/-12 pipettes. Pack of 1.

Cat. No. **7048 05**



### Shelf/rack mount

For 1 Transferpette® S single or multichannel pipette. Pack of 1.

Cat. No. **7048 10**



### Individual stand

For 1 Transferpette® S pipette. Pack of 1.

### Bis 1000 µl

Cat. No. **7053 85**

### 500-5000 µl

Cat. No. **7053 86**



### Filter

Pack of 25.

Description	Cat. No.
D-5000	<b>7046 52</b>
D-10000	<b>7046 53</b>

For 1 Transferpette® S-8/-12 pipette. Pack of 1.

Cat. No. **7034 40**

# The right pipette tip for your Transferpette *S*

Optimal performance will be achieved with the use of genuine premium tips from BRAND. BRAND quality tips seat perfectly for precise analyses.



Pipette tips Filter tips Volume range	Transferpette® <i>S</i> single-channel Nominal volume											Transferpette® <i>S</i> multichannel Nominal volume						
	1 µl	2.5 µl	10 µl	20 µl	25 µl	50 µl	100 µl	200 µl	500 µl	1000 µl	2 ml	5 ml	10 ml	10 µl	50 µl	100 µl	200 µl	300 µl
0.1 - 20 µl	✓	✓ <sub>2)</sub>	✓ <sub>2)</sub>											✓				
0.5 - 20 µl		✓	✓											✓				
1 - 50 µl		✓ <sub>2)</sub>	✓											✓				
2 - 200 µl <sup>1)</sup>				✓	✓	✓	✓	✓							✓	✓	✓	✓
5 - 300 µl				✓	✓	✓	✓	✓							✓	✓	✓	✓
50 - 1000 µl <sup>1)</sup>									✓	✓								
0.5 - 5 ml											✓	✓						
1 - 10 ml													✓					
0,1 - 1 µl	✓	✓ <sub>2)</sub>	✓ <sub>2)</sub>											✓				
0.5 - 10 µl		✓	✓											✓				
1 - 20 µl			✓											✓				
2 - 20 µl				✓	✓	✓	✓	✓							✓	✓	✓	✓
5 - 100 µl				✓	✓	✓	✓	✓							✓	✓	✓	✓
5 - 200 µl								✓							✓	✓	✓	✓
50 - 1000 µl									✓	✓								

✓ = Tip volume less than pipette's nominal volume

<sup>1)</sup> Bulk tips are yellow or blue colored, racked tips are colorless in a yellow-colored or blue-colored tip tray

<sup>2)</sup> Calibration and possibly adjustment is necessary.

For more information about the Transferpette® *S* go to [shop.brand.de](http://shop.brand.de)!

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BRAND GMBH + CO KG · P.O. Box 1155 · 97861 Wertheim · Germany

Tel.: +49 9342 808-0 · Fax: +49 9342 808-98000 · E-Mail: [info@brand.de](mailto:info@brand.de) · Internet: [www.brand.de](http://www.brand.de)



Whether it's viscous, highly mobile or foaming.  
The pipette for difficult media.



# Transferpettor

F I R S T C L A S S · B R A N D

$H_2SO_4$

Silicone oil

ISOPROPANOL

Blood

Glycerine

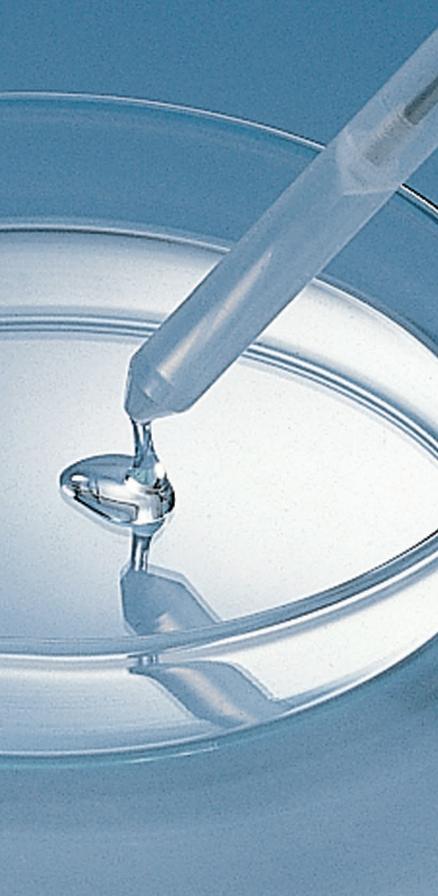
Ethanol

Mineral oil

The **Transferpettor** is ideal for liquids when air displacement pipettes just won't work.

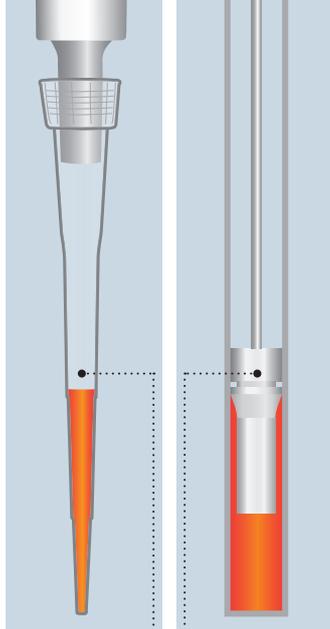
By virtue of its positive displacement principle, the **Transferpettor** is the right tool for your most demanding pipetting operations. Convenient and tidy pipetting of difficult media – with highest precision.

- Viscous
- Highly mobile
- Foaming
- High density
- High vapor pressure



# This is how it works

## Convenient pipetting of difficult media.



**Air-interface principle**

**Positive displacement principle**



Media which tend to foam, such as tenside solutions, pose no problem to the Transferpettor.



Even media with high vapor pressure (up to 500 mbar) such as alcohols, ether and hydrocarbons can be pipetted simply, reliably and with the highest accuracy.



The Transferpettor is ideal for pipetting highly viscous media, such as highly concentrated protein solutions, oils, resins and fats up to a viscosity of 50,000 mm<sup>2</sup>/s. Media with high density up to 13.6 g/cm<sup>3</sup> such as glycerin, mercury, sulfuric acid, etc. can be pipetted without the need to recalibrate.

### Transferpettor, Digital-adjustable, DE-M marking

Volume μl	A* ≤ ± % μl	CV* ≤ % μl	Subdiv. μl	Color code	Cat. No.
2.5 - 10	1.0 0.1	0.8 0.08	0.01	orange	<b>7018 07</b>
5 - 25	0.8 0.2	0.5 0.125	0.1	2 x white	<b>7018 12</b>
10 - 50	0.6 0.3	0.4 0.2	0.1	green	<b>7018 17</b>
20 - 100	0.6 0.6	0.4 0.4	0.1	blue	<b>7018 22</b>
100 - 500	0.5 2.5	0.2 1.0	1.0	green	<b>7028 04</b>
200 - 1000	0.5 5.0	0.2 2.0	1.0	yellow	<b>7028 06</b>
1000 - 5000	0.5 25.0	0.2 10.0	10.0	red	<b>7028 10</b>
2000 - 10000	0.5 50.0	0.2 20.0	10.0	orange	<b>7028 12</b>

### Transferpettor, Fixed-volume, DE-M marking

Volume μl	A* ≤ ± % μl	CV* ≤ % μl	Color code	Cat. No.
1	4.0 0.04	4.0 0.04	white	<b>7018 42</b>
2	2.5 0.05	2.0 0.04	white	<b>7018 44</b>
5	1.0 0.05	0.8 0.04	white	<b>7018 53</b>
10	1.0 0.1	0.8 0.08	orange	<b>7018 58</b>
20	0.8 0.16	0.5 0.1	black	<b>7018 63</b>
25	0.8 0.2	0.4 0.1	2 x white	<b>7018 64</b>
50	0.6 0.3	0.4 0.2	green	<b>7018 68</b>
100	0.6 0.6	0.4 0.4	blue	<b>7018 73</b>
200	0.5 1.0	0.2 0.4	red	<b>7018 78</b>

\* Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth, steady operation. The error limits are within the limits of DIN EN ISO 8655-2. DE-M marking.  
A = Accuracy, CV = Coefficient of variation

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### Transferpettor-Station

The Transferpettor-Station keeps the instruments and accessories ready to hand at the workplace.

The color code clearly identifies which belongs to what, to avoid any confusion.

Accommodates 4 instruments up to 200 μl with accessories. Pack of 1.

Cat. No. **7019 60**



Accommodates 2 instruments 0.5 to 10 ml with accessories. Pack of 1.

Cat. No. **7028 90**