

Микропипетки CARL ROTH Transferpettor, MICROMAN E

Технические характеристики

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Microtitre pipettes, ROTH

Single-channel microlitre pipette ROTILABO®

ROTH SELECTION. Autoclavable: Yes.

Robust quality pipettes with variable volume for routine work and demanding applications.

- Ergonomic finger support for comfortable handling and single-hand operation
- Separate tip eject button
- Central, large pipettor button for even plunger movement
- Separate volume adjustment, for left- and right-handed users
- Easy-to-read display
- Integrated calibration function for easy adjustment without tools
- Corrosion-resistant plunger and ejector
- Slim shaft
- Fully autoclavable at 121 °C (2 bar) according to DIN EN 285
- A filter for protection of the pipettes is optional with volumes of 5 ml and higher. Please order separately



A121 °C

Technical specifications:

Art. No.	TA21.1	TA22.1	TA23.1	TA24.1	TA25.1	TA26.1	TA27.1
Volume	0.5 to 10 µl	2 to 20 µl	10 to 100 µl	20 to 200 µl	100 to 1000 µl	500 to 5000 µl	1000 to 10000 µl
Nominal volume	10 µl	20 µl	100 µl	200 µl	1,000 µl	5,000 µl	10,000 µl
Correctness	±1,0 %	±0,8 %	±0,6 %				
Variation coefficient	±0,5 %	±0,4 %	±0,2 %				

Calibrated to „Ex“. Margins of error refer to the nominal volume (= max. volume) printed on the device, assuming that the device, ambient air and distilled water are at the same temperature (20 °C), and that the instrument is operated evenly and smoothly. Margins of error are within the limits specified in DIN EN ISO 8655-2.

Not a medical device / Not an IVD product

Version	Volume (µl)	Graduation (µl)	Tip type (µl)	Art. No.	Pack Qty.	
Single-channel, variable	0.5 to 10	0,01	20	TA21.1	1 unit(s)	
Single-channel, variable	2 to 20	0,02	200	TA22.1	1 unit(s)	
Single-channel, variable	10 to 100	0,1	200/300	TA23.1	1 unit(s)	
Single-channel, variable	20 to 200	0,2	200/300	TA24.1	1 unit(s)	
Single-channel, variable	100 to 1000	1	1000	TA25.1	1 unit(s)	
Single-channel, variable	500 to 5000	5	5000	TA26.1	1 unit(s)	
Single-channel, variable	1000 to 10000	10	10000	TA27.1	1 unit(s)	

Microlitre pipettes, BRAND

Single-channel microlitre pipette Transferpette® S

BRAND. Autoclavable: Yes.

Manual plunger pipettes for demanding applications.

- In any position: Comfortable one-handed operation
- For every hand: Ergonomic design
- Short lifting distance and low operational forces
- Universal tip attachment cone
- Thinner shaft for drawing liquids from narrow vessels
- Fully autoclavable at 121 °C
- DE-M approved



A 121 °C

Delivery incl. quality certificate and shelf-holder, labelling foils and silicone grease.

In vitro diagnostic medical device according to IVDD

Variable

- Secure: Volume lock prevents any accidental adjustments
- Colour code on the volume adjustment wheel, shaft and volume lock
- Can be easily adjusted without the need for tools thanks to Easy Calibration technology

Technical specifications:

Art. No.	KLY3.1	KLY5.1	KLY6.1	KLY7.1	KLY8.1	KLY9.1	KNA0.1	KNA1.1	KNA2.1	KLY4.1
Volume	0.1 to 1 µl	0.5 to 10 µl	2 to 20 µl	5 to 50 µl	10 to 100 µl	20 to 200 µl	100 to 1000 µl	500 to 5000 µl	1000 to 10000 µl	0.1 to 2.5 µl
Correctness	1 µl ≤± 2,0 %	10 µl ≤±1,0 %	20 µl ≤± 0,8 %	50 µl ≤±0,8 %	100 µl ≤±0,6 %	200 µl ≤±0,6 %	1000 µl ≤±0,6 %	5000 µl ≤±0,6 %	10000 µl ≤±0,6 %	2,5 µl ≤±1,4 %
Variation coefficient	1µl ≤1,2 %	10 µl ≤0,5 %	20 µl ≤0,4 %	50 µl ≤0,3 %	100 µl ≤0,2 %	200 µl ≤0,2 %	1000 µl ≤0,2 %	5000 µl ≤0,2 %	10000 µl ≤0,2 %	2,5 µl ≤0,7 %

Type	Version	Volume (µl)	Graduation (µl)	Tip type (µl)	Art. No.	Pack Qty.
D-1	Single-channel, variable	0.1 to 1	0,001	20	KLY3.1	1 unit(s)
D-2.5	Single-channel, variable	0.1 to 2.5	0,002	20	KLY4.1	1 unit(s)
D-10	Single-channel, variable	0.5 to 10	0,01	20	KLY5.1	1 unit(s)
D-20	Single-channel, variable	2 to 20	0,02	200	KLY6.1	1 unit(s)
D-50	Single-channel, variable	5 to 50	0,05	200	KLY7.1	1 unit(s)
D-100	Single-channel, variable	10 to 100	0,1	200	KLY8.1	1 unit(s)
D-200	Single-channel, variable	20 to 200	0,2	200	KLY9.1	1 unit(s)
D-1000	Single-channel, variable	100 to 1000	1	1000/1250	KNA0.1	1 unit(s)
D-5000	Single-channel, variable	500 to 5000	5	5000	KNA1.1	1 unit(s)
D-10000	Single-channel, variable	1000 to 10000	10	10000	KNA2.1	1 unit(s)

Fixed volume

Technical specifications:

Art. No.	KNA3.1	KNA4.1	KNA5.1	KNA6.1	KNA7.1	KNA8.1	KNA9.1	KNC0.1	KNC1.1
Volume	10 µl	20 µl	25 µl	50 µl	100 µl	200 µl	500 µl	1000 µl	2000 µl
Correctness	≤±1,0 %	≤±0,8 %			≤±0,6 %				≤±0,8 %
Variation coefficient	≤0,5 %	≤0,4 %			≤0,2 %				≤0,3 %

Type	Version	Volume (µl)	Tip type (µl)	Art. No.	Pack Qty.
F-10	Single-channel, fixed volume	10	20	KNA3.1	1 unit(s)
F-20	Single-channel, fixed volume	20	200	KNA4.1	1 unit(s)
F-25	Single-channel, fixed volume	25	200	KNA5.1	1 unit(s)
F-50	Single-channel, fixed volume	50	200	KNA6.1	1 unit(s)
F-100	Single-channel, fixed volume	100	200	KNA7.1	1 unit(s)
F-200	Single-channel, fixed volume	200	200	KNA8.1	1 unit(s)
F-500	Single-channel, fixed volume	500	1000	KNA9.1	1 unit(s)
F-1000	Single-channel, fixed volume	1000	1000	KNC0.1	1 unit(s)
F-2000	Single-channel, fixed volume	2000	5000	KNC1.1	1 unit(s)



Microlitre pipettes, BRAND

Multi-channel microlitre pipette Transferpette® S

BRAND. Autoclavable: Yes.

Manual plunger pipettes for demanding applications.

- In any position: Comfortable one-handed operation
- For every hand: Ergonomic design
- Short lifting distance and low operational forces
- Universal tip attachment cone
- Four-digit volume display for maximum accuracy, always clearly visible
- Featuring Easy Calibration technology for adjustment without tools
- Secure: Volume lock prevents any accidental adjustments
- Easy to attach and eject the tips thanks to O-rings
- With freely rotatable pipetting unit (360°)
- Fully autoclavable at 121 °C
- DE-M approved



A 121 °C

Delivery incl. quality certificate, 1 x shelf holder, 1 x reagent reservoir, assembly key, labelling foils, silicone grease and 1 x set of shaft seals.

In vitro diagnostic medical device according to IVDD

8-channel

Technical specifications:

Art. No.	KNC2.1	KNC3.1	KNC4.1	KNC5.1	KNC6.1
Volume	0.5 to 10 µl	5 to 50 µl	10 to 100 µl	20 to 200 µl	30 to 300 µl
Correctness	10 µl $\leq \pm 1,6$ %	50 µl $\leq \pm 0,8$ %	100 µl $\leq \pm 0,8$ %	200 µl $\leq \pm 0,8$ %	300 µl $\leq \pm 0,6$ %
Variation coefficient	10 µl $\leq 1,0$ %	20 µl $\leq 0,4$ %	100 µl $\leq 0,3$ %	200 µl $\leq 0,3$ %	300 µl $\leq 0,3$ %

Type	Version	Volume (µl)	Graduation (µl)	Tip type (µl)	Art. No.	Pack Qty.	
M8-10	Multi-channel	0.5 to 10	0,01	20	KNC2.1	1 unit(s)	
M8-50	Multi-channel	5 to 50	0,05	200	KNC3.1	1 unit(s)	
M8-100	Multi-channel	10 to 100	0,1	200	KNC4.1	1 unit(s)	
M8-200	Multi-channel	20 to 200	0,2	200	KNC5.1	1 unit(s)	
M8-300	Multi-channel	30 to 300	0,5	300	KNC6.1	1 unit(s)	

12-channel

Technical specifications:

Art. No.	KNC7.1	KNC8.1	KNC9.1	KNE0.1	KNE1.1
Volume	0.5 to 10 µl	5 to 50 µl	10 to 100 µl	20 to 200 µl	30 to 300 µl
Correctness	10 µl $\leq \pm 1,6$ %	50 µl $\leq \pm 0,8$ %	100 µl $\leq \pm 0,8$ %	200 µl $\leq \pm 0,8$ %	300 µl $\leq \pm 0,6$ %
Variation coefficient	10 µl $\leq 1,0$ %	20 µl $\leq 0,4$ %	100 µl $\leq 0,3$ %	200 µl $\leq 0,3$ %	300 µl $\leq 0,3$ %

Type	Version	Volume (µl)	Graduation (µl)	Tip type (µl)	Art. No.	Pack Qty.	
M12-10	Multi-channel	0.5 to 10	0,01	20	KNC7.1	1 unit(s)	
M12-50	Multi-channel	5 to 50	0,05	200	KNC8.1	1 unit(s)	
M12-100	Multi-channel	10 to 100	0,1	200	KNC9.1	1 unit(s)	
M12-200	Multi-channel	20 to 200	0,2	200	KNE0.1	1 unit(s)	
M12-300	Multi-channel	30 to 300	0,5	300	KNE1.1	1 unit(s)	

Microlitre pipettes, BRAND

Single-channel microlitre pipette set Transferpette® S

BRAND.



In vitro diagnostic medical device according to IVDD

Micro starter kit

Delivery incl. three Transferpette® S pipettes, variable and three shelf holders.

Version	Capacity	Art. No.	Pack Qty.	
Starter kit	0,1-2,5 µl, 0,5-10 µl, 10-100 µl	KNE2.1	1 unit(s)	

Standard starter kit

Delivery incl. three Transferpette® S pipettes, variable and three shelf holders.

Version	Capacity	Art. No.	Pack Qty.	
Starter kit	0,5-10 µl, 10-100 µl, 100-1000 µl	KNE3.1	1 unit(s)	

Midi starter kit

Delivery incl. three Transferpette® S pipettes, variable and three shelf holders.

Version	Capacity	Art. No.	Pack Qty.	
Starter kit	2-20 µl, 20-200 µl, 100-1000 µl	KNE4.1	1 unit(s)	

Macro starter kit

Delivery incl. three Transferpette® S pipettes, variable and three shelf holders.

Version	Capacity	Art. No.	Pack Qty.	
Starter kit	100-1000 µl, 500-5000 µl, 1000-10000 µl	KNE5.1	1 unit(s)	

Pipette packs 1

Delivery incl. five Transferpette® S pipettes and table stands for six devices.

Version	Capacity	Art. No.	Pack Qty.	
Starter kit	0,1-2,5 µl, 0,5-10 µl, 2-20 µl, 20-200 µl, 100-1000 µl	KNE6.1	1 unit(s)	

Pipette packs 2

Delivery incl. five Transferpette® S pipettes and table stands for six devices.

Version	Capacity	Art. No.	Pack Qty.	
Starter kit	0,5-10 µl, 10-100 µl, 20-200 µl, 100-1000 µl, 500-5000 µl	KNE7.1	1 unit(s)	



Microlitre pipettes, BRAND

Single-channel microlitre pipette Transferpette® electronic

BRAND.

Microprocessor-controlled plunger pipette.

- Ergonomic design makes working easier
- Height-adjustable finger support to optimise the positioning of your hand for the function keys
- Five functions:
Pipetting, mixing, reverse pipetting, dispensing, gel electrophoresis mode
- High pipetting speed
- Eight hours' continuous pipetting possible
- Ready for use during charging cycle
- Refresh mode to increase the battery life
- Slim pipette shaft allows pipetting into even the narrowest vessels
- Easy Calibration function for adjustment without tools
- Fully autoclavable pipette shaft
- DE-M approved
- Includes a quality certificate



In vitro diagnostic medical device according to IVDD

With mains adapter

Technical specifications:

Art. No.	CH82.1	AA39.1	AA40.1	AA41.1	CH83.1
Volume	0.5 to 10 µl	2 to 20 µl	10 to 200 µl	50 to 1000 µl	250 to 5000 µl
Nominal volume	10 µl	20 µl	200 µl	1,000 µl	5,000 µl
Correctness	±1,0 %		±0,8 %	±0,6 %	
Variation coefficient	±0,4 %		±0,2 %		

Delivery incl. mains adapter (110–240 V/50–60 Hz).

Version	Volume (µl)	Graduation (µl)	Tip type (µl)	Art. No.	Pack Qty.
Single-channel, electronic	0.5 to 10	0,01	10/20	CH82.1	1 unit(s)
Single-channel, electronic	2 to 20	0,02	20	AA39.1	1 unit(s)
Single-channel, electronic	10 to 200	0,2	200/300	AA40.1	1 unit(s)
Single-channel, electronic	50 to 1000	1,0	1000/1250	AA41.1	1 unit(s)
Single-channel, electronic	250 to 5000	5,0	5000	CH83.1	1 unit(s)

Without mains adapter

Technical specifications:

Art. No.	CH84.1	AA42.1	AA43.1	AA44.1	CH85.1
Volume	0.5 to 10 µl	2 to 20 µl	10 to 200 µl	50 to 1000 µl	250 to 5000 µl
Nominal volume	10 µl	20 µl	200 µl	1,000 µl	5,000 µl
Correctness	±1,0 µl	±1,0 %	±0,8 %	±0,6 %	±0,6 µl
Variation coefficient	±0,4 %		±0,2 %		

Version	Volume (µl)	Graduation (µl)	Tip type (µl)	Art. No.	Pack Qty.
Single-channel, electronic	0.5 to 10	0,01	10/20	CH84.1	1 unit(s)
Single-channel, electronic	2 to 20	0,02	20	AA42.1	1 unit(s)
Single-channel, electronic	10 to 200	0,2	200/300	AA43.1	1 unit(s)
Single-channel, electronic	50 to 1000	1,0	1000/1250	AA44.1	1 unit(s)
Single-channel, electronic	250 to 5000	5,0	5000	CH85.1	1 unit(s)

Microlitre pipettes, BRAND

Multi-channel microlitre pipette Transferpette® electronic

BRAND.

Microprocessor-controlled plunger pipette.

- Ergonomic design makes working easier
- Height-adjustable finger support to optimise the positioning of your hand for the function keys
- Five functions:
Pipetting, mixing, reverse pipetting, dispensing, gel electrophoresis mode
- High pipetting speed
- Eight hours' continuous pipetting possible
- Ready for use during charging cycle
- Refresh mode to increase the battery life
- Easy Calibration function for adjustment without tools
- Fully autoclavable pipette shaft
- DE-M approved
- Includes a quality certificate



Delivery incl. mains adapter (110–240 V/50–60 Hz).

In vitro diagnostic medical device according to IVDD

8-channel

Technical specifications:

Art. No.	CNL2.1	CNL3.1	CNL4.1	CNL5.1	CNL6.1
Volume	0.5 to 10 µl	1 to 20 µl	5 to 100 µl	10 to 200 µl	15 to 300 µl
Nominal volume	10 µl	20 µl	100 µl	200 µl	300 µl
Correctness	±1,2 %	±1,0 %	±0,8 %		±0,6 %
Variation coefficient	±0,8 %	±0,5 %	±0,25 %		

Version	Volume (µl)	Graduation (µl)	Tip type (µl)	Art. No.	Pack Qty.
Multi-channel, electronic	0.5 to 10	0,01	10/20	CNL2.1	1 unit(s)
Multi-channel, electronic	1 to 20	0,02	10/20	CNL3.1	1 unit(s)
Multi-channel, electronic	5 to 100	0,1	200/300	CNL4.1	1 unit(s)
Multi-channel, electronic	10 to 200	0,2	200/300	CNL5.1	1 unit(s)
Multi-channel, electronic	15 to 300	0,5	200/300	CNL6.1	1 unit(s)

12-channel

Technical specifications:

Art. No.	CNL7.1	CNL8.1	CNL9.1	CNN0.1	CNN1.1
Volume	0.5 to 10 µl	1 to 20 µl	5 to 100 µl	10 to 200 µl	15 to 300 µl
Nominal volume	10 µl	20 µl	100 µl	200 µl	300 µl
Correctness	±1,2 %	±1,0 %	±0,8 %		±0,6 %
Variation coefficient	±0,8 %	±0,5 %	±0,25 %		

Version	Volume (µl)	Graduation (µl)	Tip type (µl)	Art. No.	Pack Qty.
Multi-channel, electronic	0.5 to 10	0,01	10/20	CNL7.1	1 unit(s)
Multi-channel, electronic	1 to 20	0,02	10/20	CNL8.1	1 unit(s)
Multi-channel, electronic	5 to 100	0,1	200/300	CNL9.1	1 unit(s)
Multi-channel, electronic	10 to 200	0,2	200/300	CNN0.1	1 unit(s)
Multi-channel, electronic	15 to 300	0,5	200/300	CNN1.1	1 unit(s)

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