

Кюветы CARL ROTH ROTILABO

Технические характеристики

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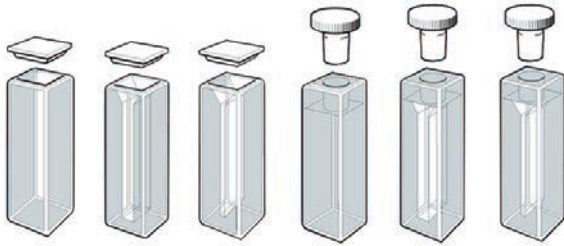
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Казахстан (772)734-952-31

Киргизия (996)312-96-26-47

Cuvettes



Glass cuvette ROTILABO®

ROTH SELECTION.

- Two polished sides
- Spectrally calibrated
- Transmission $\geq 80\%$
- Layer thickness 10 mm, tolerance ± 0.01 mm

Optical glass seamed lid

Material: Glass special optical glass, PTFE closure.

- Permeability range: 320–2500 nm
- With seamed lid, loosely attached
- Dimensions: L 12.5 x W 12.5 x H 45 mm

Type	Volume (ml)	Inner width (mm)	Art. No.	Pack Qty.
Micro	0.7	2	X855.1	1 unit(s)
Semi-micro	1.4	4	X853.1	1 unit(s)
Macro	3.5	10	X851.1	1 unit(s)

Optical glass plugs

Material: Glass special optical glass, PTFE closure.

- Permeability range: 320–2500 nm
- With plugs, fluid-tight
- Dimensions: L 12.5 x W 12.5 x H 48 mm

Type	Volume (ml)	Inner width (mm)	Art. No.	Pack Qty.
Semi-micro	1.4	4	Y032.1	1 unit(s)
Macro	3.5	10	Y030.1	1 unit(s)

Quartz glass seamed lid

Material: Quartz glass Spectrosil®, PTFE closure.

- UV-permeable
- Permeability range: 170–2700 nm
- With seamed lid, loosely attached
- Dimensions: L 12.5 x W 12.5 x H 45 mm

Type	Volume (ml)	Inner width (mm)	Art. No.	Pack Qty.
Micro	0.7	2	X856.1	1 unit(s)
Semi-micro	1.4	4	X854.1	1 unit(s)
Macro	3.5	10	X852.1	1 unit(s)

Quartz glass plugs

Material: Quartz glass Spectrosil®, PTFE closure.

- UV-permeable
- Permeability range: 170–2700 nm
- With plugs, fluid-tight
- Dimensions: L 12.5 x W 12.5 x H 48 mm

Type	Volume (ml)	Inner width (mm)	Art. No.	Pack Qty.
Micro	0.7	2	Y035.1	1 unit(s)
Semi-micro	1.4	4	Y033.1	1 unit(s)
Macro	3.5	10	Y031.1	1 unit(s)

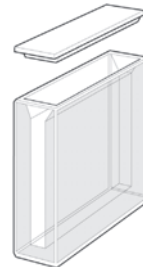


Glass cuvette ROTILABO® fluorescence

ROTH SELECTION. Material: Quartz glass Spectrosil®, PTFE closure.

- With seamed lid, loosely attached
- Four polished sides and polished base
- UV-permeable, for fluorimetry
- Permeability range: 170–2700 nm
- Spectrally calibrated
- Transmission $\geq 80\%$
- Layer thickness 10 mm, tolerance ± 0.01 mm
- Dimensions: L 12.5 x W 12.5 x H 45 mm

Type	Volume (ml)	Art. No.	Pack Qty.
Macro	3.5	AHC0.1	1 unit(s)

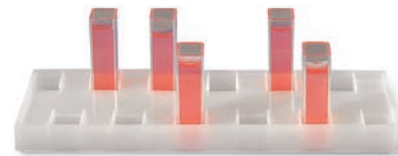


Glass cuvette ROTILABO® L 50 mm

ROTH SELECTION. Material: Glass (special optical glass), PTFE closure.

- Two polished sides
- Permeability range: 320–2500 nm
- Spectrally calibrated
- Transmission $\geq 80\%$
- Layer thickness 50 mm, tolerance ± 0.02 mm
- With seamed lid, loosely attached
- Dimensions: L 52.5 x W 12.5 x H 45 mm

Type	Volume (ml)	Inner width (mm)	Art. No.	Pack Qty.
Macro	17.5	9.5	AHA7.1	1 unit(s)



Cuvette stand ROTILABO®

Kartell. Material: PE.

For cuvettes of 10 mm thick. With staggered holder arrangement. Shallow stand for better visibility of the cuvette contents.

No. of slots	Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.
12	170	50	15	9663.2	5 unit(s)



Cuvettes



Glass cuvette ROTILABO® black

ROTH SELECTION. Material: Quartz glass Spectrosil®, PTFE closure.

- With self-shielding sides made from black glass
- Two polished sides
- UV-permeable
- Permeability range: 170–2700 nm
- Spectrally calibrated
- Transmission $\geq 80\%$
- Layer thickness 10 mm, tolerance ± 0.01 mm
- With seamed lid, loosely attached
- Dimensions: L 12.5 x W 12.5 x H 45 mm

Type	Volume (ml)	Inner width (mm)	Art. No.	Pack Qty.
Micro	0.7	2	AHA6.1	1 unit(s)
Semi-micro	1.4	4	AHA5.1	1 unit(s)



Single-use cuvettes fluorescence

Sarstedt.

- With four optical sides
- Cavity-sorted production
- Layer thickness 10 mm
- Dimensions: L 12.5 x W 12.5 x H 45 mm

Polystyrene

Material: PS.

- For measuring from 340 nm

Volume (ml)	Art. No.	Pack Qty.
4	NK49.1	100 unit(s)



Single-use cuvettes ROTILABO®

ROTH SELECTION.

- Two optical windows
- Extremely low deviation in absorbance coefficients
- Outstanding optical transmission values
- Cavity-sorted production
- Layer thickness 10 mm
- Dimensions: L 12.5 x W 12.5 x H 45 mm

Polystyrene

Material: PS.

- Application range: 340–900 nm

Pic.	Type	Volume (ml)	Art. No.	Pack Qty.
(1)	Semi-micro	1.6	XK20.1	1,000 unit(s)
(2)	Macro	4	XK21.1	1,000 unit(s)

PMMA

Material: PMMA.

- Application range: 300–900 nm

Pic.	Type	Volume (ml)	Art. No.	Pack Qty.
(1)	Semi-micro	1.6	XK23.1	1,000 unit(s)
(2)	Macro	4	XK24.1	1,000 unit(s)

UV-permeable

Material: Plastic.

- Application range: 220–900 nm

Pic.	Type	Vol. (ml)	Art. No.	Pack Qty.
(1)	Semi-micro	1.6	XK26.1	100 unit(s)
(2)	Macro	4.0	XK27.1	100 unit(s)

Solvent-resistant

Material: Plastic.

- For substances with polar solvents
- Application range: 220–900 nm

Pic.	Type	Vol. (ml)	Art. No.	Pack Qty.
(1)	Semi-micro	1.6	XK28.1	100 unit(s)
(2)	Macro	4.0	XK29.1	100 unit(s)

Accessories lid for single-use cuvettes

ROTH SELECTION. Material: LDPE.

Suitable for	Art. No.	Pack Qty.
Single-use cuvettes (semi-micro/macro)	XK25.1	1,000 unit(s)

Cuvettes



Single-use cuvettes

BRAND.

- Two optical windows
- Optically flawless transparency
- Recessed windows to protect against scratching
- Arrow mark to indicate direction of transmission
- Standard layer thickness 10 mm
- Dimensions: 12.5 x 12.5 x 45 mm

Sorted by manufacturing mould cavity number to ensure the lowest variation in absorbance coefficients.

Polystyrene

Material: PS.

- Permeability range: 340–900 nm
- Standard deviation: ≤ 0.005 absorbance coefficients at 360 nm

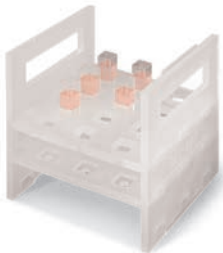
Type	Volume (ml)	Art. No.	Pack Qty.
Semi-micro	1.5 to 3.0	Y195.1	100 unit(s)
Macro	2.5 to 4.5	Y194.1	100 unit(s)

PMMA

Material: PMMA.

- Permeability range: 300–900 nm
- Standard deviation: ≤ 0.004 absorbance coefficients at 320 nm

Type	Volume (ml)	Art. No.	Pack Qty.
Semi-micro	1.5 to 3.0	Y197.1	100 unit(s)
Macro	2.5 to 4.5	Y196.1	100 unit(s)



A 121 °C

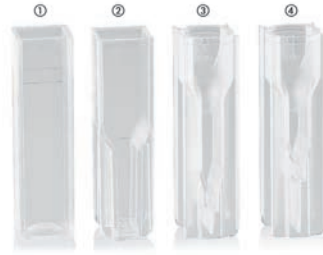
Cuvette stand ROTILABO®

ROTH SELECTION. Material: PP. Autoclavable: Yes.

For cuvettes of 10 mm thick. The holders' special shape ensures they do not scratch the cuvette surface. Stackable.

Temperature stable up to 130 °C.

No. of slots	Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.
12	115	110	105	9664.1	1 unit(s)



Single-use cuvettes UV

BRAND. Material: Plastic.

Permeability range: 230–900 nm. Specially designed for the photometric determination of proteins, ssDNA, dsDNA, RNA und oligonucleotides in the UV range.

- Single-use cuvettes, no risk of contamination through cleaning
- High chemical resistance
- Two optical windows
- Optically flawless transparency
- Recessed windows to protect against scratching
- Arrow mark to indicate direction of transmission
- Standard layer thickness 10 mm
- Standard deviation:
 - 240 nm $\leq \pm 0.007$ absorbance coefficients
 - 300 nm $\leq \pm 0.005$ absorbance coefficients
- Dimensions: 12.5 x 12.5 x 45 mm

Sorted by manufacturing mould cavity number to ensure the lowest variation in absorbance coefficients.

Type	Volume (ml)	Art. No.	Pack Qty.
	1.5 to 3.0	Y199.1	100 unit(s)
Macro	2.5 to 4.5	Y198.1	100 unit(s)

Micro (z = 8.5 mm)

Micro-cuvettes are ideal for small sample volumes from 70 μ l. Centre height 8.5 mm.

Type	Version	Volume (ml)	Art. No.	Pack Qty.
Micro	Free of DNase/ DNA/RNase, individually packed	0.07 to 0.85	CNT6.1	100 unit(s)
Micro	Standard	0.07 to 0.85	Y200.1	100 unit(s)

Micro (z = 15 mm)

Micro-cuvettes are ideal for small sample volumes from 70 μ l. Centre height 15 mm.

Type	Version	Volume (ml)	Art. No.	Pack Qty.
Micro	Free of DNase/ DNA/RNase, individually packed	0.07 to 0.55	CNT7.1	100 unit(s)
Micro	Standard	0.07 to 0.55	Y201.1	100 unit(s)



Cuvettes



Single-use cuvettes fluorescence

BRAND.

With four optical windows.

- Ideal for fluorescence spectroscopy
- Optically flawless radiographic area
- Four optical windows for precise measurements
- Matt handle, can be labelled
- Manufactured under controlled room conditions
- Fully automatic packaging
- Layer thickness: 10 mm
- Dimensions: L 12.5 x W 12.5 x H 45 mm, window: W 10 x H 35 mm

Sorted by manufacturing mould cavity number to ensure the lowest possible variation in absorbance coefficients.

Polystyrene

Material: PS.

- Application range: 340–900 nm
- Standard deviation (absorbance coefficients): $360 \text{ nm} \leq \pm 0.005 \text{ nm}$
- Chemical resistance (short-term resistance, 30 min):
Ammoniac/hydrofluoric acid, 10 %/isopropanol/sodium hydroxide/
hydrochloric acid, 36 %
- Not resistant to: Chloroform/hexane

Type	Volume (ml)	Art. No.	Pack Qty.
Macro	2.5 to 4	EXP1.1	100 unit(s)
Macro	2.5 to 4	EXP2.1	500 unit(s)

UV-transparent

Material: Plastic UV-transparent.

- Minimal inherent fluorescence
- Application range: 230–900 nm
- Standard deviation (absorbance coefficients):
 $320 \text{ nm} \leq \pm 0.007$
 $300 \text{ nm} \leq \pm 0.005 \text{ nm}$
- Chemical resistance (short-term resistance, 30 min):
Acetone/ammoniac/benzaldehyde/butanone/dioxane/DMF/DMSO/
acetic acid (10 %)/ethyl acetate/hydrofluoric acid (10 %)/isopropanol/
sodium hydroxide/nitric acid (65 %)/hydrochloric acid (36 %)
- Not resistant to: Chloroform/hexane

Type	Volume (ml)	Art. No.	Pack Qty.
Macro	2.5 to 4	EXP3.1	100 unit(s)
Macro	2.5 to 4	EXP4.1	500 unit(s)



A121°C

Cuvette stand

BRAND. Material: PP. Autoclavable: Yes.

For cuvettes of 10 mm thick. Numbered slots.

No. of slots	Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.
16	210	70	38	CNP5.1	1 unit(s)



Cuvette rack

ROTH SELECTION. Material: PMMA.

12-slot cuvette rack, suitable for Thermo Scientific analysers: Arena 20, Arena 20XT, Arena 30 and Arena 60.

Applications:

- Foodstuffs (milk, meat, honey)
- Beverages (wine, beer, juice)
- Customer-specific applications

Type	Pack.	Art. No.	Pack Qty.
Cuvette rack	40 x 25	HNX9.1	1,000 unit(s)

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