

Флаконы для образцов, пробирки CARL ROTH ROTILABO, ND8, ND9, ND10, ND11, ND13, ND18, ND20, ND24

Технические характеристики

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тургут (3462)77-98-35
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия (495)268-04-70

Казахстан (772)734-952-31

Киргизия (996)312-96-26-47

Sample vials/autosample vials

Test tubes

Greiner Bio-One. Material: PS transparent, screw caps made of white HDPE.

Liquid-tight, with conical bottom. Centrifugable up to 3,500 x g. Temperature-stable from -20 °C to 60 °C. For universal use in laboratories for non-humane and non-medical samples.



Not a medical device / Not an IVD product

Vol. (ml)	Nominal volume (ml)	Ø ext. (mm)	Height (mm)	Sterility	Centrifugability in g (max.)	Art. No.	Pack Qty.	
23	30	24	90	Non-sterile	3,500	HYL2.1	400 unit(s)	
23	30	24	90	Sterile	3,500	HYL3.1	400 unit(s)	

Sample vials ROTILABO®

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.

Screw top vials with flat base.



Delivery without caps, please order caps separately.

Version	Vol. (ml)	Nominal volume (ml)	Ø (mm)	Ø Inner neck (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	
Brown glass	5	8	17	9.5	61	ND 15	XC38.1	100 unit(s)	
Clear glass	5	8	17	9.5	61	ND 15	XC37.1	100 unit(s)	
Brown glass	10	12	19	9.5	66	ND 15	XC40.1	100 unit(s)	
Clear glass	10	12	19	9.5	66	ND 15	XC39.1	100 unit(s)	
Clear glass	15	16	21	11.5	71	ND 18	XC41.1	100 unit(s)	
Clear glass	20	20	23	13.5	86	ND 20	XC42.1	100 unit(s)	

Accessories for sample vials ROTILABO®

ROTH SELECTION. Material: PP.

Screw caps with sealing pad, closed. Suitable for sample vials Art. No. XC37.1 ff with corresponding thread.



Version	Septum material	Thread	Art. No.	Pack Qty.	
Black lid	Natural rubber orange red / TEF transparent	ND 15	XC43.1	100 unit(s)	
Black lid	Butyl red / PTFE grey	ND 15	XC44.1	100 unit(s)	
Black lid	Butyl red / PTFE grey	ND 18	XC45.1	100 unit(s)	
Lid, white	Butyl red / PTFE grey	ND 20	XC46.1	100 unit(s)	



Sample vials/autosample vials



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Sample vials

Nalgene. Material: PET Copolymer, HDPE screw cap. **Sterile.**

Type 2035. For sampling and storage of reagents and buffer solutions.

Leak-proof.

Vol. (ml)	Ø (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	
5	22.5	46	20-415	ATK0.1	100 unit(s)	
10	24	57	20-415	ATK1.1	100 unit(s)	
20	30	65	20-415	ATK2.1	100 unit(s)	



Test tubes ROTILABO®

ROTH SELECTION.

With flat bottom (Art. No. H992.1 with conical bottom) and tight-fitting lids. The conical recess in the lid allows penetration with a syringe, whereby the needle is centred automatically. Easy to open and/or close. For storing samples or for using autosamplers. Sample vials 2 ml suitable for autosamplers such as Perkin Elmer ISS-100 and ISS-200.

Clear glass

Material: Borosilicate glass lid made of PE.

Vol. (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.	
1	8	40	H300.1	200 unit(s)	
2	12	32	H303.1	100 unit(s)	
4	15	45	H306.1	100 unit(s)	

Brown glass

Material: Borosilicate glass lid made of PE.

Vol. (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.	
1	8	40	H301.1	200 unit(s)	
2	12	32	H304.1	100 unit(s)	
4	15	45	H307.1	100 unit(s)	

Plastic

Material: PP lid made of PE.

Vol. (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.	
0.7	8	40	H992.1	100 unit(s)	
1	8	40	H302.1	200 unit(s)	
2	12	32	H305.1	100 unit(s)	
4	15	45	H308.1	100 unit(s)	



Sample vials ROTILABO® 0.1 ml with thread

ROTH SELECTION. Material: PP.

With thread and integrated micro-insert. Flat base.

Delivery without lid and septum, please order separately.

Vol. (ml)	Ø (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	
0.1	12	32	8 mm	C518.1	200 unit(s)	



Sample vials ROTILABO® 2 ml with thread

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.

With flat bottom and thread. For automatic samplers. Wall thickness 0.9 mm.

Delivery without lid and septum, please order separately.

Version	Vol. (ml)	Nominal volume (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.	
Brown glass	1.5	2	11.5	32	E160.1	200 unit(s)	
Clear glass	1.5	2	11.5	32	E159.1	200 unit(s)	



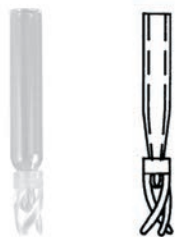
Accessories for ROTILABO® sample vials 0.1 and 2 ml

ROTH SELECTION.

For Rotilabo® sample vials (Art. No. E159.1, E160.1 and C518.1).

Version	Art. No.	Pack Qty.	
Septa PTFE, Ø 8 mm	E163.1	1,000 unit(s)	
Screw caps with hole	E161.1	200 unit(s)	
Screw caps without hole	E162.1	200 unit(s)	
Septum silicone rubber/PTFE coated, single use	E164.1	200 unit(s)	
Septum Silicone white/PTFE red, pierceable several times	E165.1	200 unit(s)	

Sample vials/autosample vials



Micro-inserts ROTILABO® 100 µl

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.
For sample vials 2.0 ml (Art. No. E159.1, E160.1 and C514.1).

Version	Vol. (µl)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.	
with plastic spring	100	5	30	C516.1	100 unit(s)	



Sample vials ROTILABO® 4 ml with thread

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.
With flat bottom and thread. For automatic samplers. Wall thickness 0.95 mm.

Delivery without lid and septum, please order separately.

Version	Vol. (ml)	Ø (mm)	Ø Inner neck (mm)	Height (mm)	Art. No.	Pack Qty.	
Brown glass	4	14.75	8.5	45	E153.1	200 unit(s)	
Clear glass	4	14.75	8.5	45	E152.1	200 unit(s)	



Sample vials ROTILABO® with beaded rim

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.
With beaded rim and flat bottom.

Delivery without aluminium caps and septum, please order separately.

Vol. (ml)	Ø (mm)	Ø Outer neck (mm)	Height (mm)	Art. No.	Pack Qty.	
2	12	11	32	C514.1	200 unit(s)	
4	15	13	45	H511.1	200 unit(s)	
6	22	20	38	H512.1	200 unit(s)	
10	23	20	46	H513.1	200 unit(s)	
20	23	20	75	H514.1	200 unit(s)	



Crimp caps ROTILABO® with septum

ROTH SELECTION. Material: Aluminium.

For ROTILABO® sample vials (Art. No. C514.1 to H514.1).

Suitable for	Septum material	Art. No.	Pack Qty.	
Ø neck outside 11 mm	Silicone/PTFE	C515.1	200 unit(s)	
Ø neck outside 11 mm	Silicone rubber/PTFE	H522.1	200 unit(s)	
Ø neck outside 13 mm	Silicone rubber/PTFE	H518.1	200 unit(s)	
Ø neck outside 13 mm	Silicone/PTFE	H519.1	200 unit(s)	
Ø neck outside 20 mm	Butyl/PTFE	H520.1	200 unit(s)	
Ø neck outside 20 mm	Silicone/PTFE	H521.1	200 unit(s)	



Sample vials/autosample vials

Sample vials ROTILABO® with thread ND8

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.
Flat base. CleanPack, vials are packed in a clean room under class 10 000 conditions. Standard autosampler vials for GC and HPLC.



Delivery without micro-inserts, screw caps and septa, please order separately.

Screw top vials ND8

Version	Vol. (ml)	Ø (mm)	Ø Inner neck (mm)	Height (mm)	Art. No.	Pack Qty.
Clear glass, conical bottom	1.1	11.6	5.2	32	KE28.1	100 unit(s)
Brown glass	1.5	11.6	5.2	32	KE29.1	100 unit(s)
Clear glass	1.5	11.6	5.2	32	KE26.1	100 unit(s)
Brown glass, with labelling space	1.5	11.6	5.2	32	KE30.1	100 unit(s)
Clear glass, with labelling space	1.5	11.6	5.2	32	KE27.1	100 unit(s)

Micro-inserts ROTILABO® ND8

ROTH SELECTION. Material: Borosilicate glass, clear.
For screw top vials ND8.

Version	Vol. (ml)	Nominal volume (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.
With metal spring	0.11	0.05	4	27.5	KE33.1	100 unit(s)
15 mm conical tip	0.15	0.1	5	31	KE31.1	100 unit(s)
With plastic spring	0.15	0.1	5	29	KE32.1	100 unit(s)

Screw caps ROTILABO® ND8 closed

ROTH SELECTION. Material: PP, black.
Without borehole. For screw top vials ND8.

Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.
Butyl red / PTFE grey	1.3	55	TY73.1	100 unit(s)
Natural rubber orange red / TEF transparent	1.3	60	TY72.1	100 unit(s)
Silicone white / PTFE red, UltraClean	1.3	45	NL96.1	100 unit(s)

Screw caps ROTILABO® ND8 with borehole

ROTH SELECTION. Material: PP, black.
For screw top vials ND8.

Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Ø Hole (mm)	Art. No.	Pack Qty.
Butyl red / PTFE grey	1.3	55	5.5	KE38.1	100 unit(s)
Natural rubber orange red / TEF transparent	1.3	60	5.5	KE37.1	100 unit(s)
PTFE red / silicone white / PTFE red	1.0	45	5.5	KE34.1	100 unit(s)
Silicone cream / PTFE red, UltraClean	1.5	55	5.5	KE36.1	100 unit(s)
Silicone white / PTFE red, UltraClean	1.3	45	5.5	KE35.1	100 unit(s)
Silicone white / PTFE red, slotted	1.3	45	5.5	NL97.1	100 unit(s)

Screw caps ROTILABO® ND8

ROTH SELECTION. Material: PP, black.
For screw top vials ND8.

Delivery without septum, please order separately.

Version	Art. No.	Pack Qty.
With borehole Ø 5.5 mm	KE40.1	100 unit(s)
Without borehole	KE39.1	100 unit(s)

Sample vials/autosample vials

Septa ROTILABO® for ND8 Ø 8 mm

ROTH SELECTION.

Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.
PTFE	0.25	53	KE41.1	1,000 unit(s)
Butyl red/PTFE grey	1.3	55	KE43.1	1,000 unit(s)
Natural rubber orange red / TEF transparent	1.3	60	KE42.1	1,000 unit(s)
Silicone white/PTFE red	1.3	45	KE44.1	1,000 unit(s)
Silicone white / PTFE blue, slotted	0.9	55	KE45.1	1,000 unit(s)

Sample vials ROTILABO® with short thread ND9

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.
Wide opening for easy filling. Flat base. CleanPack, vials are packed in a clean room under class 10 000 conditions. Standard autosampler vials for GC and HPLC.



Delivery without micro-inserts and screw caps, please order separately.

Version	Vol. (ml)	Ø (mm)	Ø Inner neck (mm)	Height (mm)	Art. No.	Pack Qty.
Clear glass, with integrated micro insert	0.2	11.6	6.2	32	LC04.1	100 unit(s)
Clear glass, with solid conical base	1.1	11.6	6.2	32	LC05.1	100 unit(s)
Clear glass	1.5	11.6	6.2	32	LC02.1	100 unit(s)
Brown glass, with labelling space	1.5	11.6	6.2	32	LC06.1	100 unit(s)
Brown PP, with graduations	1.5	11.6	6.2	32	NL99.1	100 unit(s)
Clear glass, with labelling space	1.5	11.6	6.2	32	LC03.1	100 unit(s)
Transparent PP, with graduations	1.5	11.6	6.2	32	NL98.1	100 unit(s)

Micro-inserts ROTILABO® ND9/ND10/ND11

ROTH SELECTION. Material: Borosilicate glass, clear.
For short-thread screw top vials ND9, ND10 and ND11.

Version	Vol. (ml)	Nominal volume (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.
15 mm conical tip	0.25	0.1	6	31	LC07.1	100 unit(s)
With plastic spring	0.25	0.1	5.7	29	LC08.1	100 unit(s)
Flat base	0.35	0.2	6	31	LC09.1	100 unit(s)

Screw caps ROTILABO® ND9 closed

ROTH SELECTION. Material: PP, blue.
For ND9 short threaded vials.

Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.
PTFE virginal	0.2	53	TY74.1	100 unit(s)
Silicone white / PTFE red, UltraClean	1.0	55	TY75.1	100 unit(s)



Sample vials/autosample vials

Screw caps ROTILABO® ND9 with borehole

ROTH SELECTION. Material: PP, blue.

For ND9 short threaded vials. Also suitable for robot gripper arms.

Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Ø Hole (mm)	Art. No.	Pack Qty.	
PTFE (shore D)	0.2	53	6	LC12.1	100 unit(s)	
Natural rubber orange red / TEF transparent	1.0	60	6	LC13.1	100 unit(s)	
PTFE red / silicone white / PTFE red	1.0	45	6	LC10.1	100 unit(s)	
Silicone white / PTFE blue, slotted	1.0	55	6	LC14.1	100 unit(s)	
Silicone white / PTFE red, UltraClean	1.0	55	6	LC11.1	100 unit(s)	

Screw-cap closures ROTILABO® ND9 with borehole UltraBond

ROTH SELECTION. Material: PP, blue.

For ND9 short threaded vials. Cap and septum form a unit, the septum cannot be pressed into the flask by thick or blunt needles.

Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Ø Hole (mm)	Art. No.	Pack Qty.	
Silicone beige / PTFE white, slotted	1.3	45	6	LC15.1	100 unit(s)	

Screw caps ROTILABO® ND9 for the LC/GC-MS

ROTH SELECTION.

Inert, non-bleed single-component cap, LC/GC-MS certified.

Transparent, with thinned penetration area, penetrable like a septum.

For ND9 short threaded vials.

Version	Art. No.	Pack Qty.	
with thinned penetration area	NN00.1	100 unit(s)	

Screw-cap closures ROTILABO® ND9 magnetic with borehole

ROTH SELECTION. Material: PP.

Blue colour, with magnetic cap attached, golden colour. For ND9 short threaded vials.

Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Ø Hole (mm)	Art. No.	Pack Qty.	
Silicone white / PTFE red, UltraClean	1.0	55	6	PT62.1	100 unit(s)	

Sample vials/autosample vials

Sample vials ROTILABO® with short thread ND9 silanised

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I, silanised.

The surface of the vials is deactivated by silanisation. This minimises the adsorption of polar compounds (proteins, amines, phenols etc.) by the glass and prevents the loss of valuable specimens.

Wide opening for easy filling. Flat base. CleanPack, vials are packed in a clean room under class 10 000 conditions. Suitable for automatic samplers.

Delivery without micro-inserts and screw caps, please order separately.

Version	Vol. (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.	
Clear glass, with solid conical base	1.1	11.6	32	XC48.1	100 unit(s)	
Clear glass	1.5	11.6	32	XC47.1	100 unit(s)	
Brown glass, with labelling space	1.5	11.6	32	XC49.1	100 unit(s)	

Micro-inserts ROTILABO® ND9/ND10/ND11 silanised

ROTH SELECTION. Material: Borosilicate glass, silanised, clear.

The surface of the vials is deactivated by silanisation. This minimises the adsorption of polar compounds (proteins, amines, phenols etc.) by the glass and prevents the loss of valuable specimens.

For ND9 short-thread screw top vials, ND10 screw top vials, and ND11 rolled edge vials snap ring vials.

Version	Vol. (ml)	Nominal volume (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.	
Conical 15 mm tip	0.25	0.1	6	31	XC50.1	100 unit(s)	
With plastic spring	0.25	0.1	5.7	29	XC51.1	100 unit(s)	

Sample vials with short thread ND9 Vial kit, HPLC-certified

ROTH SELECTION. Material: Borosilicate glass, PP.

HPLC and GC-certified, tested for blank values and impurities.

Kits each with 100 short-thread screw top vials ND9 made of borosilicate glass from hydrolytic class I with UltraClean screw caps made of PP.



Version	Vol. (ml)	Ø (mm)	Height (mm)	Septum material	Thickness (mm)	Hardness (°)	Ø Hole (mm)	Art. No.	Pack Qty.	
Brown glass, with labelling space	1.5	11.6	32	Silicone white/PTFE red	1.0	55	6	XC65.1	1 set	
Clear glass, with labelling space	1.5	11.6	32	Silicone white/PTFE red	1.0	55	6	XC64.1	1 set	



Sample vials/autosample vials

Sample vials ROTILABO® with thread ND10

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.

Wide opening for easy filling. Flat base. CleanPack, vials are packed in a clean room under class 10 000 conditions. Standard autosampler vials for GC and HPLC.



Delivery without micro-inserts and screw caps, please order separately.

Version	Vol. (ml)	Ø (mm)	Ø Inner neck (mm)	Height (mm)	Art. No.	Pack Qty.	
Clear glass	1.5	11.6	8.8	32	LC16.1	100 unit(s)	
Brown glass, with labelling space	1.5	11.6	8.8	32	LC17.1	100 unit(s)	
Clear glass, with labelling space	1.5	11.6	8.8	32	NN01.1	100 unit(s)	

Screw caps ROTILABO® ND10

ROTH SELECTION. Material: PP, black.

Without borehole. For screw top vials ND10.

Delivery incl. septum, mounted.

Version	Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.	
Without borehole	Natural rubber orange red / TEF transparent	1.3	60	TY76.1	100 unit(s)	

Screw caps ROTILABO® ND10 with borehole

ROTH SELECTION. Material: PP, black.

For screw top vials ND10.

Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Ø Hole (mm)	Art. No.	Pack Qty.	
Natural rubber orange red / TEF transparent	1.3	60	7	LC20.1	100 unit(s)	
PTFE red / silicone white / PTFE red	1.0	45	7	NN37.1	100 unit(s)	
Silicone white / PTFE beige	1.5	45	7	LC19.1	100 unit(s)	
Silicone white / PTFE blue, slotted	1.5	55	7	LC21.1	100 unit(s)	
Silicone white / PTFE red, UltraClean	1.3	45	7	LC18.1	100 unit(s)	

Sample vials/autosample vials

Sample vials ROTILABO® with beaded rim ND11

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.
With heavy duty rim. Wide opening for easy filling. Flat base. Clean-Pack, vials are packed in a clean room under class 10 000 conditions.
Standard autosampler vials for GC and HPLC.



Delivery without micro-inserts and caps, please order separately.

Version	Vol. (ml)	Ø (mm)	Ø Inner neck (mm)	Height (mm)	Art. No.	Pack Qty.
Clear glass	1.5	11.6	8.3	32	LC22.1	100 unit(s)
Brown glass, with labelling space	1.5	11.6	8.3	32	LC24.1	100 unit(s)
Clear glass, with labelling space	1.5	11.6	8.3	32	LC23.1	100 unit(s)
Clear glass	2.5	11.6	8.3	41	TY77.1	100 unit(s)

Crimp caps ROTILABO® ND11 with borehole

ROTH SELECTION. Material: Aluminium, clear coated.
For ND11 rolled edge vials.



Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Ø Hole (mm)	Art. No.	Pack Qty.
Butyl red / PTFE grey	1.3	55	5.5	LC30.1	100 unit(s)
Natural rubber orange red / butyl red / TEF transparent	1.0	45	5.5	LC28.1	100 unit(s)
Natural rubber orange red / TEF transparent, Agilent quality	1.0	60	5.5	LC29.1	100 unit(s)
PTFE red / silicone white / PTFE red	1.0	45	5.5	LC26.1	100 unit(s)
Silicone white / PTFE blue, slotted	1.5	55	5.5	NN02.1	100 unit(s)
Silicone white / PTFE red, UltraClean	1.3	45	5.5	LC27.1	100 unit(s)

Crimp caps ROTILABO® ND11 with borehole, phthalate-free

ROTH SELECTION. Material: Aluminium, clear coated.
Free of phthalates, halogens, elastomers, plasticisers, silicone, butyl rubber, PTFE, FEP, TEF. Recommended for GC/LC-MS, for the storage of standards and analysis of halogenated compounds, VOC's, plastics, phthalates, polymerisation catalysts and silicones. For ND11 rolled edge vials.



Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Art. No.	Pack Qty.
Aluminium (with O-ring seal)	0.06	NN03.1	100 unit(s)



Sample vials/autosample vials

Sample vials ROTILABO® with snap-on ring ND11

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.
Wide opening for easy filling. Flat base. CleanPack, vials are packed in a clean room under class 10 000 conditions. Standard autosampler vials for GC and HPLC.



Delivery without micro-inserts and caps, please order separately.

Version	Vol. (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.
TPX, with integrated glass micro insert	0.2	11.6	32	TY82.1	100 unit(s)
Clear glass	1.5	11.6	32	TY79.1	100 unit(s)
Brown glass, with labelling space	1.5	11.6	32	TY81.1	100 unit(s)
Clear glass, with labelling space	1.5	11.6	32	TY80.1	100 unit(s)

Snap ring caps ROTILABO® ND11 hard version

ROTH SELECTION. Material: PE, transparent.
With borehole. For ND11 snap ring vials. Hard version for optimal leak tightness. No crimping tool is required.



Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.
Natural rubber orange red / TEF transparent	1.0	60	TY84.1	100 unit(s)
RedRubber / PTFE beige, AGILENT quality	1.0	45	TY83.1	100 unit(s)

Snap ring caps ROTILABO® ND11 soft version

ROTH SELECTION. Material: PE, blue.
With borehole. For ND11 snap ring vials. Soft version for easier push-on or removal. No crimping tool is required.



Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.
Natural rubber orange red / TEF transparent	1.0	60	TY86.1	100 unit(s)
RedRubber / PTFE beige, AGILENT quality	1.0	45	TY85.1	100 unit(s)

Push-on caps ROTILABO® ND11

ROTH SELECTION. Material: PE.
Blue colour, for pushing on. For ND11 crimp top and snap ring vials. No crimping tool is required. Closed, with thinned puncture area instead of a septum. For non-critical analyses.

Version	Art. No.	Pack Qty.
Push-on	TY78.1	100 unit(s)

Sample vials/autosample vials

Sample vials ROTILABO® with thread ND13

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.
Flat base. CleanPack, vials are packed in a clean room under class 10 000 conditions. For automatic samplers.



Delivery without micro-inserts, screw caps and septa, please order separately.

Version	Vol. (ml)	Ø (mm)	Ø Inner neck (mm)	Height (mm)	Art. No.	Pack Qty.
Brown glass	4	14.7	8.5	45	LC33.1	100 unit(s)
Clear glass	4	14.7	8.5	45	LC31.1	100 unit(s)
Brown glass, with labelling space	4	14.7	8.5	45	LC34.1	100 unit(s)
Clear glass, with labelling space	4	14.7	8.5	45	LC32.1	100 unit(s)

Micro-inserts ROTILABO® ND13

ROTH SELECTION. Material: Borosilicate glass, clear.
For screw top vials ND13.

Version	Vol. (ml)	Nominal volume (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.
Conical 15 mm tip, with metal spring	0.4	0.3	6	40	LC35.1	100 unit(s)

Screw caps ROTILABO® ND13 closed

ROTH SELECTION. Material: PP, black.
Without borehole. For screw top vials ND13.

Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.
Butyl red / PTFE grey	1.3	55	TY89.1	100 unit(s)
Natural rubber orange red / TEF transparent	1.3	60	TY88.1	100 unit(s)
Silicone cream / PTFE red	1.5	55	NN04.1	100 unit(s)

Screw caps ROTILABO® ND13 with borehole

ROTH SELECTION. Material: PP, black.
For screw top vials ND13.

Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Ø Hole (mm)	Art. No.	Pack Qty.
Butyl red/PTFE grey	1.3	55	8.5	LC39.1	100 unit(s)
Natural rubber orange red/TEF transparent	1.3	60	8.5	LC38.1	100 unit(s)
PTFE red/silicone white/PTFE red	1.0	45	8.5	LC36.1	100 unit(s)
Silicone cream/PTFE red	1.5	55	8.5	LC37.1	100 unit(s)

Screw caps ROTILABO® ND13

ROTH SELECTION. Material: PP, black.
For screw top vials ND13.

Delivery without septum, please order separately.

Version	Art. No.	Pack Qty.
With borehole Ø 8.5 mm	LC41.1	100 unit(s)
Without borehole	LC40.1	100 unit(s)



Sample vials/autosample vials

Septa ROTILABO® for ND13 Ø 12 mm

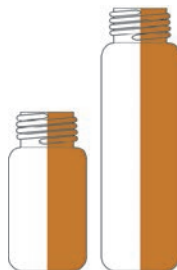
ROTH SELECTION.

Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.
PTFE (shore D)	0.25	53	LC42.1	1,000 unit(s)
Butyl red/PTFE grey	1.3	55	LC44.1	1,000 unit(s)
Natural rubber orange red / TEF transparent	1.3	60	LC43.1	1,000 unit(s)
Silicone blue transparent/PTFE white	1.3	45	LC45.1	1,000 unit(s)
Silicone cream/PTFE red	1.5	55	LC46.1	1,000 unit(s)

Sample vials ROTILABO® with fine thread ND18

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.

CleanPack, vials are packed in a clean room under class 10 000 conditions. For automatic samplers.



Delivery without screw caps and septa, please order separately.

Version	Vol. (ml)	Ø (mm)	Ø Inner neck (mm)	Height (mm)	Art. No.	Pack Qty.
Brown glass	10	22.5	11.5	46	LC48.1	100 unit(s)
Clear glass	10	22.5	11.5	46	LC47.1	100 unit(s)
Brown glass	20	22.5	11.5	75.5	LC50.1	100 unit(s)
Clear glass	20	22.5	11.5	75.5	LC49.1	100 unit(s)

Screw-cap closures ROTILABO® ND18 magnetic closed

ROTH SELECTION. Material: Metal, magnetic, silver.

Without borehole.

For fine threaded bottles ND18 (Art. No. LC47.1-LC50.1).

Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.
Butyl red / PTFE grey	1.6	55	TY90.1	100 unit(s)

Screw caps ROTILABO® ND18 magnetic with borehole

ROTH SELECTION. Material: Steel, magnetic, silver.

For fine screw thread vials ND18 (Art. No. LC47.1 to LC50.1).

Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Ø Hole (mm)	Art. No.	Pack Qty.
Butyl red / PTFE grey	1.6	55	8	LC53.1	100 unit(s)
Silicone transparent blue / PTFE white, UltraClean	1.3	45	8	LC51.1	100 unit(s)
Silicone white / PTFE blue, UltraClean	1.5	55	8	LC52.1	100 unit(s)
Silicone white / PTFE red, slotted	1.5	55	8	NN06.1	100 unit(s)

Sample vials/autosample vials

Sample vials ROTILABO® with thread ND18

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.
Round base. CleanPack, vials are packed in a clean room under class 10 000 conditions. For automatic samplers.



Delivery without screw caps and septa, please order separately.

Version	Vol. (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.	
Clear glass	20	23	75.5	LY52.1	100 unit(s)	

Screw caps ROTILABO® ND18 with septum

ROTH SELECTION. Material: PP, black.

Suitable for screw thread vials Art. No. LY52.1 only.



Delivery incl. septum, mounted.

Version	Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.	
With borehole Ø 12.5 mm	Butyl red / PTFE grey	1.6	55	TY92.1	100 unit(s)	

Screw caps ROTILABO® ND18

ROTH SELECTION. Material: PP, black.

Suitable only for thread screw vials Art. No. LY52.1.



Delivery without septum, please order separately.

Version	Art. No.	Pack Qty.	
Without borehole	LC54.1	100 unit(s)	

Septa ROTILABO® for ND18 Ø 16 mm

ROTH SELECTION.



Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.	
Butyl red/PTFE grey	1.3	55	LC56.1	1,000 unit(s)	
Silicone blue transparent/PTFE white	1.7	45	LC58.1	1,000 unit(s)	



Sample vials/autosample vials

Headspace vials ROTILABO® with beaded rim ND20

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.
Made of hydrolytic class 1 borosilicate glass. Wall thickness 1.2 mm.
CleanPack, vials are packed in a clean room under class 10 000 conditions. For automatic samplers.



Delivery without crimp caps, please order separately.

Rounded bottom

Version	Vol. (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.
Clear glass, bevelled headspace edge	5	22	38.2	LC60.1	100 unit(s)
Brown glass, DIN rolled edge	10	22.5	46	NN07.1	100 unit(s)
Clear glass, DIN rolled edge	10	22.5	46	LC62.1	100 unit(s)
Brown glass, DIN rolled edge, long neck	20	22.5	75.5	NN09.1	100 unit(s)
Clear glass, bevelled headspace edge	20	23	75.5	LC61.1	100 unit(s)
Clear glass, DIN rolled edge, long neck	20	22.5	75.5	LC63.1	100 unit(s)
Clear glass with labelling area, bevelled headspace edge	20	23	75.5	NN08.1	100 unit(s)

Flat Headspace bottom

Version	Vol. (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.
DIN rolled edge	5	20	38	LC64.1	100 unit(s)
DIN rolled edge	10	54.5	20	NN10.1	100 unit(s)
DIN rolled edge, long neck	10	22.5	46	LC65.1	100 unit(s)
DIN rolled edge, long neck	20	22.5	75.5	LC66.1	100 unit(s)
DIN rolled edge	50	31	101	LC67.1	100 unit(s)
DIN rolled edge, not suitable for overpressure	100	51.6	94.5	LC68.1	88 unit(s)

Crimp caps ROTILABO® ND20 with borehole

ROTH SELECTION. Material: Aluminium.
For rolled-edge headspace vials ND20.

Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Ø Hole (mm)	Art. No.	Pack Qty.
Butyl / PTFE	3.0	50	10	LC70.1	100 unit(s)
Butyl / PTFE, partially coated	3.0	50	10	LC71.1	100 unit(s)
Dark grey butyl rubber	3.0	50	10	LC69.1	100 unit(s)
Silicone transparent blue / PTFE white, UltraClean	3.0	45	10	LC72.1	100 unit(s)
Silicone white / PTFE beige, AGILENT HT quality	3.25	45	10	LC73.1	100 unit(s)

Crimp caps ROTILABO® ND20 Headspace with borehole

ROTH SELECTION. Material: Aluminium.
For rolled-edge Headspace vials ND20. With break lines that open at 3.0 ±0.5 bar to release overpressure.



Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Ø Hole (mm)	Art. No.	Pack Qty.
Butyl/PTFE	3.0	50	8	LC74.1	100 unit(s)
Butyl / PTFE, partially coated	3.0	50	8	LC75.1	100 unit(s)
Silicone transparent blue/PTFE white, UltraClean	3.0	45	8	LC76.1	100 unit(s)
Silicone white/PTFE beige, AGILENT HT quality	3.25	45	8	LC77.1	100 unit(s)

Sample vials/autosample vials

Crimp caps ROTILABO® ND20 centre tear-off

ROTH SELECTION. Material: Aluminium.
For rolled-edge Headspace vials ND20.



Delivery incl. septum, mounted.

Centre tear-off crimp caps

Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.	
Butyl dark grey	3.0	55	NN11.1	100 unit(s)	

Crimp caps ROTILABO® ND20 complete tear-off

ROTH SELECTION. Material: Aluminium.
For rolled-edge headspace vials ND20.



Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.	
Dark grey butyl rubber	3.0	55	NN13.1	100 unit(s)	
Silicone transparent blue / PTFE white, UltraClean	3.0	45	NN14.1	100 unit(s)	

Crimp caps ROTILABO® ND20 magnetic with bore-hole

ROTH SELECTION. Material: Aluminium, magnetic, golden colour.
For rolled-edge Headspace vials ND 20.



Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Ø Hole (mm)	Art. No.	Pack Qty.	
Butyl / PTFE	3.0	50	5	LC78.1	100 unit(s)	
Butyl / PTFE	3.0	50	8	LC79.1	100 unit(s)	
Silicone transparent blue / PTFE white, UltraClean	3.0	45	5	LC80.1	100 unit(s)	
Silicone transparent blue / PTFE white, UltraClean	3.0	45	8	LC81.1	100 unit(s)	

Hollow stoppers ROTILABO® ND20

ROTH SELECTION. Material: Butyl, grey.

Suitable for	Art. No.	Pack Qty.	
Rolled-edge headspace vials ND20	TY94.1	100 unit(s)	



Sample vials/autosample vials

Sample vials ROTILABO® with thread ND24 (EPA)

ROTH SELECTION. Material: Borosilicate glass from hydrolytic class I.

CleanPack, vials are packed in a clean room under class 10 000 conditions. For automatic samplers.



Delivery without screw caps and septa, please order separately.

Version	Vol. (ml)	Ø (mm)	Ø Inner neck (mm)	Height (mm)	Art. No.	Pack Qty.	
Brown glass	20	27.5	17.5	57	LC89.1	100 unit(s)	
Clear glass	20	27.5	17.5	57	LC88.1	100 unit(s)	
Brown glass	30	27.5	17.5	72.5	LC91.1	100 unit(s)	
Clear glass	30	27.5	17.5	72.5	LC90.1	100 unit(s)	
Brown glass	40	27.5	17.5	95	LC93.1	100 unit(s)	
Clear glass	40	27.5	17.5	95	LC92.1	100 unit(s)	
Brown glass	60	27.5	17.5	140	LC95.1	100 unit(s)	
Clear glass	60	27.5	17.5	140	LC94.1	100 unit(s)	

Screw caps ROTILABO® ND24 closed

ROTH SELECTION. Material: PP, white.

Without borehole. For screw top vials ND24.



Delivery incl. septum, mounted.

Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.	
Butyl red / PTFE grey	2.5	55	LE02.1	100 unit(s)	
Natural silicone / PTFE beige, EPA quality	3.2	45	LE03.1	100 unit(s)	

Screw-cap closures ROTILABO® ND24 UltraBond

ROTH SELECTION. Material: PP, white.

For screw top vials ND24. Cap and septum form a unit, the septum cannot be pressed into the flask by thick or blunt needles.

Delivery incl. septum, mounted.

Version	Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.	
With borehole Ø 15 mm	Natural silicone / PTFE beige, EPA quality	3.2	45	LE05.1	100 unit(s)	
Without borehole	Natural silicone / PTFE beige, EPA quality	3.2	45	LE04.1	100 unit(s)	

Screw caps ROTILABO® ND24

ROTH SELECTION. Material: PP, white.

For screw top vials ND24.

Delivery without septum, please order separately.

Version	Art. No.	Pack Qty.	
With borehole Ø 15 mm	LC97.1	100 unit(s)	
Without borehole	LC96.1	100 unit(s)	

Septa ROTILABO® for ND24 Ø 22 mm

ROTH SELECTION.

Septum material	Thickness (mm)	Hardness (°)	Art. No.	Pack Qty.	
Butyl red / PTFE grey	1.6	55	LC98.1	1,000 unit(s)	
Butyl red / PTFE grey	2.5	55	LC99.1	1,000 unit(s)	
Natural silicone / PTFE beige (EPA quality)	3.2	45	LE00.1	1,000 unit(s)	
Silicone white / PTFE blue, cross slit	1.5	55	LE01.1	1,000 unit(s)	

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