Labware

TOP Offers





-20 %

Peristaltic pump ROTH Cyclo II

ROTH SELECTION.

For all applications in the laboratory and analytics and biotechnology applications.

- Pump head (Ø 62 mm) can be rotated 90°
- Easy cleaning thanks to easily removable pump head
- Simple to use with two rotary knobs:
  Continuous speed adjustment from 0–100%
  Reversible direction of rotation (clockwise/counterclockwise)
- Hose with a wall thickness of 1.6 mm can be used
- Variable hose contact pressure
- Easy hose replacement in seconds
- Temperature and current limiting for maximum reliability
- Stackable

Delivery rate depending on the hose size and the number of rollers in the pump head:

Inner Ø (mm)	Delivery rate	
	3-roller	6-roller
1,6	1,5 – 30	1,2 – 24
3,2	6 – 110	4,4 – 88
4,8	12 – 240	9,6 – 192

Technical specifications:

Art. No.	Y374.1	EP75.1	EP74.1	EP76.1
Pump type	1-channel	2-channel	1-channel	2-channel
Pump head	3 rollers		6 rollers	
Delivery rate	12–240 ml/min		9,6–192 ml/min	
Max. pressure	1 bar			
Motor power	10 W			
L x W x H	131 x 134 x 190 mm			
Weight	1,6 kg			
Mains connection	100–230 V			

Optional accessory (please order separately): hose cassettes for different hose Ø.

Delivery incl. hose cassette for hose with inner Ø of 4.8 mm and wall thickness of 1.6 mm. Without pump hoses, please order separately.

With 3-roller pump head

Version	Art. No.	Pack Qty.	€	€
1-channel	**Y374.1**	1 unit(s)	~~1.709,25~~	**1.367,40**
2-channel	**EP75.1**	1 unit(s)	~~2.273,65~~	**1.818,90**

With 6-roller pump head

For lower pulsation.

Version	Art. No.	Pack Qty.	€	€
1-channel	**EP74.1**	1 unit(s)	~~2.010,25~~	**1.608,20**
2-channel	**EP76.1**	1 unit(s)	~~2.481,10~~	**1.984,85**

Valid from 1 October to 31 December 2026

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For ordering and information about prices and delivery in your country please contact us or your local distributor.
Contact: www.carlroth.com/com/en/Auslandsservice · www.carlroth.com/com/en/Auslandsvertretungen
All supplies and deliveries are subject to the terms and conditions of sale and delivery of Carl Roth GmbH + Co. KG, Karlsruhe.

-20 %

Accessories
hose cassettes for ROTH Cyclo II

ROTH SELECTION.

The delivery rate depends on the hose size (wall thickness: 1.6 mm).

Technical specifications:

Art. No.	Y375.1	Y376.1
Suitable for	3-roller/6-roller pump head	
Delivery rate	1,5–30 / 1,2–24 ml/min	6–110 / 4,4–88 ml/min

Version	Art. No.	Pack Qty.	€	€
For hose inner Ø 1.6 mm	**Y375.1**	1 unit(s)	~~142,15~~	**113,65**
For hose inner Ø 3.2 mm	**Y376.1**	1 unit(s)	~~142,15~~	**113,65**

-25 %

Tube VERSILON™ 2001

Saint-Gobain. Material: TPO.

Without plasticisers and oils. Very flexible, very good food chemical resistance, durable. Longer service life when used in peristaltic pumps. In accordance with FDA requirements.

Technical specifications:

Art. No.	EL12.1	EL13.1	EL14.1
Temp. stability	-78 to +57 °C		
Colour	transparent		
Hardness	69 Shore A		



Ø internal (mm)	Ø ext. (mm)	Wall thickness (mm)	Art. No.	Pack Qty.	€	€
1.6	4,8	1,6	**EL12.1**	15 m	~~125,90~~	**94,35**
3.2	6,4	1,6	**EL13.1**	15 m	~~162,35~~	**121,70**
4.8	8,0	1,6	**EL14.1**	15 m	~~165,55~~	**124,15**



-20 %

Tube PharMed® BPT

Saint-Gobain. Material: TPV. Autoclavable: limited.

For fermentation processes, cultivation of cell cultures, among other purpose, special tubes for peristaltic pumps. Good chemical resistance. Low gas permeability, good resistance to ageing.

Technical specifications:

Art. No.	H191.1	H192.1	H193.1
Temp. stability	-50 to +135 °C		
Colour	natural		
Hardness	64 Shore A		

Ø internal (mm)	Ø ext. (mm)	Wall thickness (mm)	Art. No.	Pack Qty.	€	€
1.6	4,8	1,6	**H191.1**	7.5 m	~~165,55~~	**132,40**
3.2	6,4	1,6	**H192.1**	7.5 m	~~165,55~~	**132,40**
4.8	8,0	1,6	**H193.1**	7.5 m	~~174,15~~	**139,30**



-15 %

NEW/+

Heating and magnetic stirrer RH basic complete set

IKA.

- Two rotary knobs and push buttons for independently setting the setpoint value and starting/stopping the heating and stirring functions
- Two stand mounting points
- Adjustable temperature safety circuit (50 to 360 °C, ±10 °C)
- External temperature control with ETS-D5: The temperature is directly measured in the medium and controlled via the ETS-D5 interface and the **supplied contact thermometer**
- ETS-D5 contact thermometer: temperature control modes: „Fast“ (quick heating), „Precision“ (maximum precision that can be selected) and adjustable heating speed as a percentage for sensitive samples

Delivery incl. ETS-D5 contact thermometer incl. Pt 1000 stainless steel measuring probe, H 16 V stand rod, H 38 holder rod and H 44 clamp.

Technical specifications:

Art. No.	**28TW.1**
Type	RH basic
Number of stirring points	1
Max. stirring capacity (H_2O)	15 l
Speed range	100 to 1500 rpm
Speed display	scale
Motor power output	7 W
Control accuracy without sensor	±15 K
Control accuracy with sensor	±0,5 K
Heating output	600 W
Footprint	Ø 135 mm
W x D x H, total	168 x 217 x 100 mm
Mains connection	220–230 V, 50/60 Hz

Type	Art. No.	Pack Qty.	€	€
RH basic	**28TW.1**	1 unit(s)	~~578,00~~	**491,30**



-15 % NEW/+

Heating and magnetic stirrer RH lite

IKA.

- Two rotary knobs and push buttons for independently setting the setpoint value and starting/stopping the heating and stirring functions
- Low self-heating of the heating plate
- Two stand mounting points
- Adjustable temperature safety circuit (50 to 360 °C, ±10 °C)
- Mounting surface made of aluminium

Technical specifications:

Art. No.	28TU.1
Type	RH lite
Number of stirring points	1
Max. stirring capacity (H_2O)	15 l
Speed range	100 to 1500 rpm
Speed display	scale
Motor power output	7 W
Temperature display	scale
Control accuracy	±15 K
Heating output	600 W
Footprint	Ø 135 mm
W x D x H, total	168 x 217 x 100 mm
Weight	3 kg
Mains connection	220–230 V, 50/60 Hz

Type	Art. No.	Pack Qty.	€	€
RH lite	**28TU.1**	1 unit(s)	~~368,00~~	**312,80**



-20 % NEW/+

Accessories H-stand set for laboratory stirrers

Phönix Instrument.

With locknut to additionally secure the stand rod and prevent accidental removal. Clamping range of clamp for stand and extension arm: 10 to 24 mm. Stand rods Ø 16 mm, thread M12.
Dimensions: W 400 mm x D 500 mm x H 800 mm.

Delivery incl. stand mount, stand rod, 2 clamps, immersion limiter and clamping fixture for vessels Ø 50 to 200 mm.

Type	Art. No.	Pack Qty.	€	€
H-stand set	**29MK.1**	1 unit(s)	~~590,20~~	**472,10**



-20 % NEW/+

Electronic laboratory stirrers RSO-D series

Phönix Instrument.

- LCD display with setpoint and actual values
- Torque trend display
- Continuously adjustable speed
- Timer function (1 min up to 99 h, 59 min)
- **Integrated temperature measurement possible using measuring probe (please order temperature gauge separately as necessary)**
- Adjustable direction of rotation left or right
- Push-through stirrer shafts
- RS 485 and USB type C port
- Chuck with clamping range of 0.5 to 10 mm

Technical specifications:

Art. No.	29ML.1	29MM.1
Type	RSO-300D	RSO-500D
Max. stirring capacity (H_2O)	30 l	50 l
Max. viscosity	10,000 mPa·s	50,000 mPa·s
Max. torque	40 Ncm	60 Ncm
Motor power input	70 W	130 W
Motor power output	50 W	100 W
Speed range	50 to 2200 rpm	
Speed display	LCD	
Torque display	yes	
Ø Extension arm	16 mm	
Extension arm length	200 mm	
W x D x H	90 x 230 x 240 mm	
Weight	3,5 kg	3,8 kg
Mains connection	115–240 V, 50/60 Hz	

Delivery without temperature gauge Pt 1000, stirrer, stand and bosshead, please order separately (see stirrer accessories).

Pic.	Type	Art. No.	Pack Qty.	€	€
(1)	RSO-300D	**29ML.1**	1 unit(s)	~~962,15~~	**769,70**
(2)	RSO-500D	**29MM.1**	1 unit(s)	~~1.279,25~~	**1.023,40**

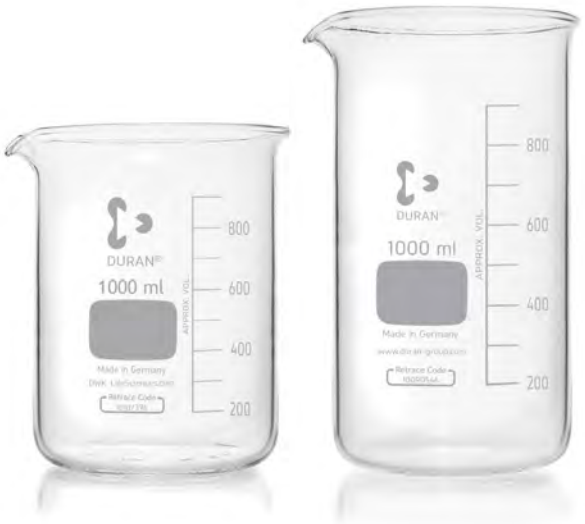
-20 %

Accessories temperature sensor for laboratory stirrer RSO-D-series

Phönix Instrument.

Pt 1000 temperature sensor
Made of V4A. Sensor length 190 mm, Ø 3 mm. Handle 50 mm.

Designation	Art. No.	Pack Qty.	€	€
Pt 1000 sensor	**TT80.1**	1 unit(s)	~~80,65~~	**64,50**



-20 %

Autoclavable

DWK LIFE SCIENCES

Beakers DURAN®

DWK Life Sciences. Material: DURAN® glass. Autoclavable: yes.

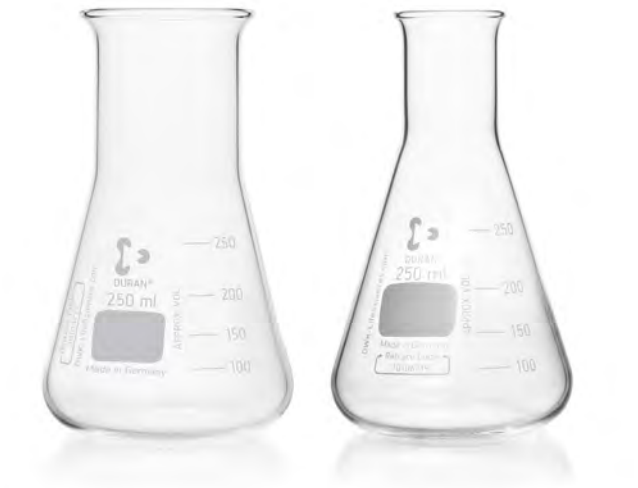
Graduated, with a spout (Art. No. C108.1 and C109.1 not graduated). Acc. to DIN 12331, ISO 3819 (Art. No. C122.1 not acc. to DIN). With retrace code.

Low form

Vol. (ml)	Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
5	22	30	**C108.1**	10 unit(s)	~~66,00~~	**52,80**
10	26	35	**C109.1**	10 unit(s)	~~75,05~~	**60,00**
25	34	50	**C110.1**	10 unit(s)	~~64,45~~	**51,55**
50	42	60	**C111.1**	10 unit(s)	~~61,80~~	**49,40**
100	50	70	**C112.1**	10 unit(s)	~~60,80~~	**48,60**
150	60	80	**C113.1**	10 unit(s)	~~64,45~~	**51,55**
250	70	95	**C114.1**	10 unit(s)	~~66,60~~	**53,25**
400	80	110	**C115.1**	10 unit(s)	~~79,85~~	**63,85**
600	90	125	**C116.1**	10 unit(s)	~~98,95~~	**79,15**
800	100	135	**C117.1**	10 unit(s)	~~136,50~~	**109,20**
1,000	105	145	**C118.1**	1 unit(s)	~~16,80~~	**13,40**
2,000	132	185	**C119.1**	1 unit(s)	~~28,60~~	**22,85**
3,000	152	210	**C120.1**	1 unit(s)	~~50,85~~	**40,65**
5,000	170	270	**C121.1**	1 unit(s)	~~86,40~~	**69,10**
10,000	217	350	**C122.1**	1 unit(s)	~~247,00~~	**197,60**

High form

Vol. (ml)	Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
50	38	70	**C123.1**	10 unit(s)	~~62,10~~	**49,65**
100	48	80	**C124.1**	10 unit(s)	~~62,85~~	**50,25**
150	54	95	**C125.1**	10 unit(s)	~~66,75~~	**53,40**
250	60	120	**C126.1**	10 unit(s)	~~70,35~~	**56,25**
400	70	130	**C127.1**	10 unit(s)	~~83,65~~	**66,90**
600	80	150	**C128.1**	10 unit(s)	~~102,90~~	**82,30**
800	90	175	**C129.1**	10 unit(s)	~~145,75~~	**116,60**
1,000	95	180	**C130.1**	1 unit(s)	~~16,80~~	**13,40**
2,000	120	240	**C131.1**	1 unit(s)	~~30,05~~	**24,00**
3,000	135	280	**C132.1**	1 unit(s)	~~63,15~~	**50,50**



-20 %

Autoclavable

DWK LIFE SCIENCES

Erlenmeyer flasks DURAN®

DWK Life Sciences. Material: DURAN® glass. Autoclavable: yes.

With retrace code.

Wide neck

Acc. to DIN ISO 24450 (Art. No. C144.1, C152.2, AAA3.1, AAA4.1 and AAA5.1 not acc. to DIN). Flasks up to 2000 ml, graduated.

Vol. (ml)	Ø Outer flask (mm)	Ø Outer neck (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
25	42	31	70	**C144.1**	10 unit(s)	~~70,50~~	**56,40**
50	51	34	85	**C145.1**	10 unit(s)	~~70,35~~	**56,25**
100	64	34	105	**C146.1**	10 unit(s)	~~71,15~~	**56,90**
200	79	50	131	**C147.1**	10 unit(s)	~~75,70~~	**60,55**
250	85	50	140	**C148.1**	10 unit(s)	~~80,60~~	**64,45**
300	87	50	156	**C149.1**	10 unit(s)	~~91,70~~	**73,35**
500	105	50	175	**C150.1**	10 unit(s)	~~107,45~~	**85,95**
1,000	131	50	220	**C151.2**	1 unit(s)	~~17,30~~	**13,80**
2,000	153	72	276	**C152.2**	1 unit(s)	~~31,70~~	**25,35**
3,000	190	106	285	**AAA3.1**	1 unit(s)	~~108,40~~	**86,70**
5,000	220	108	322	**AAA4.1**	1 unit(s)	~~142,40~~	**113,90**
10,000	285	147	420	**AAA5.1**	1 unit(s)	~~288,00~~	**230,40**

Narrow neck

Graduated. According to ISO 1773 (Art. No. PY97.1, C136.1, C138.1 and XT08.1 not according to DIN).

Vol. (ml)	Ø Outer flask (mm)	Ø Outer neck (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
25	42	22	75	**C133.1**	10 unit(s)	~~70,40~~	**56,30**
50	51	22	90	**C134.1**	10 unit(s)	~~70,50~~	**56,40**
100	64	22	105	**C135.1**	10 unit(s)	~~69,10~~	**55,25**
125	67	28	112	**PY97.1**	10 unit(s)	~~67,15~~	**53,70**
150	74	28	118	**XT07.1**	10 unit(s)	~~68,65~~	**54,90**
200	79	34	131	**C136.1**	10 unit(s)	~~70,50~~	**56,40**
250	85	34	145	**C137.1**	10 unit(s)	~~71,35~~	**57,05**
300	87	34	156	**C138.1**	10 unit(s)	~~82,20~~	**65,75**
500	105	34	180	**C139.1**	10 unit(s)	~~93,25~~	**74,60**
800	120	42	200	**XT08.1**	10 unit(s)	~~118,00~~	**94,40**
1,000	131	42	220	**C140.2**	1 unit(s)	~~16,45~~	**13,15**
2,000	166	50	280	**C141.2**	1 unit(s)	~~30,05~~	**24,00**
3,000	187	52	310	**C142.2**	1 unit(s)	~~55,65~~	**44,50**
5,000	220	52	365	**C143.1**	1 unit(s)	~~83,30~~	**66,60**



-15 % NEW/+

BOD measuring device OxiTop®-i IS

MACHEREY-NAGEL.

For determining the biochemical oxygen demand (BOD) in water and wastewater samples using respirometric measurements.

- Menu-based selection of sample volume with automatic, error-free conversion to the BOD value
- Reliable measured values with display of the curve progression
- Complete information thanks to intermediate values that can be retrieved at any time
- LED status display for continuous operational monitoring

Applications: municipal sewage treatment plants, industrial wastewater treatment, environmental/contract laboratories, water quality monitoring, process water control.

Technical specifications:

- Pressure range: 500 to 1250 hPa
- Selectable measurement duration: 1 to 7 days
- Selectable sample volumes: 22.7/43.5/97.0/164/250/365/432 ml
- BOD measuring range: 0 to 4000 mg/l
- Display: LCD graphic, backlit, menu control
- Control LED: RGB

Technical specifications:

Art. No.	24U7.1	24U7.2
Power supply	measuring head: CR 2450 button cell (3 V)	
Mains connection	100–240 V, 50/60 Hz	

Delivery incl. measuring heads, sample bottles, rubber sleeves, inductive stirring platform, magnetic bars, overflow measuring flasks (164/432 ml), nitrification inhibitor.
Without sodium hydroxide pellets NHP 600, please order separately.

Type	Version	Art. No.	Pack Qty.	€	€
-i IS 6	with 6 measuring points (3x grey, 3x blue)	**24U7.1**	1 set	~~3.500,20~~	**2.975,15**
-i IS 12	with 12 measuring points (6x grey, 6x blue)	**24U7.2**	1 set	~~6.032,90~~	**5.127,95**

-15 % NEW/+

Accessories for OxiTop®-i IS

MACHEREY-NAGEL.

Sodium hydroxide pellets

Danger H290-H314

Designation	Version	Art. No.	Pack Qty.	€	€
NHP 600	50 g each	**24UX.1**	2 unit(s)	~~81,20~~	**68,95**



-15 % NEW/+

Sensor with IDS technology

WTW.

High-quality digital sensors with IDS technology (Intelligent Digital Sensors). Suitable for IDS-capable output devices such as MultiLine® IDS and inoLab® Multi IDS.

- Conversion of the measurement signals into digital signals directly in the sensor head and interference-free, precise transmission to IDS devices
- Storage of sensor ID (sensor name and serial number), calibration data and measurement settings and automatic login to the IDS device. This allows operation on different IDS devices without recalibration
- With memory for up to 10 calibrations
- Integrated temperature gauge for temperature-compensated measurements

SenTix® 940 series
With gel electrolyte and plastic shaft for mobile pH measurements as well as routine measurements in the laboratory.

Pic.	Type	Version	Art. No.	Pack Qty.	€	€
(1)	SenTix® 940	with fixed cable (1.5 m)	**25L7.1**	1 unit(s)	~~316,05~~	**268,60**
(2)	SenTix® 940-P	without connecting cable or radio equipment; please order separately	**207T.1**	1 unit(s)	~~316,05~~	**268,60**

SenTix® 980 series
With liquid electrolyte for demanding measurement applications. Glass shaft and platinum diaphragm are easy to clean. Can be used even with difficult samples.

Pic.	Type	Version	Art. No.	Pack Qty.	€	€
(3)	SenTix® 980	with fixed cable (1.5 m)	**25L8.1**	1 unit(s)	~~356,90~~	**303,35**
(4)	SenTix® 980-P	without connecting cable or radio equipment; please order separately	**207N.1**	1 unit(s)	~~383,80~~	**326,20**

TetraCon® 925 series
For medium to high conductivity.

Pic.	Type	Version	Art. No.	Pack Qty.	€	€
(5)	TetraCon® 925	with fixed cable (1.5 m)	**3N6C.1**	1 unit(s)	~~686,95~~	**583,85**
(6)	TetraCon® 925-P	without connecting cable or radio equipment; please order separately	**207X.1**	1 unit(s)	~~709,50~~	**603,05**

FDO® 925 series
Optical IDS oxygen sensor for field and laboratory applications with fast-responding bevelled membrane, pressure resistant up to 10 bar.

Pic.	Type	Version	Art. No.	Pack Qty.	€	€
(7)	FDO® 925	with fixed cable (1.5 m)	**3N6E.1**	1 unit(s)	~~1.204,00~~	**1.023,40**
(8)	FDO® 925-P	without connecting cable or radio equipment; please order separately	**207P.1**	1 unit(s)	~~1.230,90~~	**1.046,20**

► You can find technical specifications and further accessories in our online shop at www.carlroth.com.







-15 %

NEW / +

Combi table-top multimeter MultiLab®

Xylem.

State-of-the-art, high-performance multi-parameter display device for maximum versatility in daily laboratory work. With universal measuring channels to measure pH, redox, conductivity, dissolved oxygen and turbidity. It is possible to simultaneously measure the same or different parameters. All WTW IDS sensors are connectable.

- Vivid touch display (197 x 161 x 70 mm), protected by a glass plate, can be operated with gloves, resistant to alcohol and disinfectants
- Measuring channels galvanically isolated for precise and reliable results
- Digital IDS technology: signal conversion directly in the sensor for maximum measuring accuracy, interference-free transmission and reproducible results regardless of the cable length or environmental conditions
- Automatic sensor recognition: sensor ID (sensor name and serial number), calibration data and measurement settings are stored in the sensor head and transferred to the pH meter; this allows operation on different measuring devices without recalibration
- GxP-compliant work is possible according to 21 CFR Part 11. Secure user management and password control. Comprehensive audit trail for maximum transparency. Manipulation-safe data, no deletion in GxP mode. Trial mode for risk-free testing of GxP mode before live operation
- LIMS-ready for simple system integration. Saves measuring and meta data. Securely transfer data via LAN network. Data can be exported as PDF/A, JSON or csv.
- With QSC (Quality Sensor Check) calibration to check the quality of the sensor

Technical specifications:

Art. No.	29GP.1	29GT.1	29GU.1	29GW.1	29GX.1	29GY.1
Type	IDS basic	IDS S2	IDS WL	IDS basic	IDS S4	IDS WL
Parameters	pH, redox, conductivity, salinity, TDS, oxygen, turbidity, temperature					
Channels	2			4		
Version	without radio equipment		with radio equipment	without radio equipment		with radio equipment
Sensor	without sensor	SenTix® 980 (pH), TetraCon® 925 (EC)	without sensor		SenTix® 980 (pH), SenTix® ORP-T 900 (Rx), TetraCon® 925 (EC), FDO 925 (DO)	without sensor
Reference temp. conductivity	+20 / +25 °C					
Calibration points	2/3/4/5 (pH), 1 (EC), 1 (O_2)					
Data memory	unlimited					
Port	2x USB-A (USB stick), 1x USB-C (power supply unit, power bank, PC), 1x Ethernet (network					
Connection	specific (4-pole)					
IP rating	43					
L x W x H	161 x 97 x 70 mm					
Weight	600 g					
Power supply	power supply unit					
Mains connection	100–240 V, 50/60 Hz					

Delivery incl. electrode holder, power supply unit.

Pro 20 with two measuring channels

Type	Version	Sensor	Art. No.	Pack Qty.	€	€
IDS basic	without radio equipment	without sensor	**29GP.1**	1 unit(s)	~~2.916,50~~	**2.479,00**
IDS S2	without radio equipment	SenTix® 980 (pH), TetraCon® 925 (EC)	**29GT.1**	1 unit(s)	~~3.934,50~~	**3.344,30**
IDS WL	with radio equipment	without sensor	**29GU.1**	1 unit(s)	~~3.334,60~~	**2.834,45**

Pro 40 with four measuring channels

Type	Version	Sensor	Art. No.	Pack Qty.	€	€
IDS basic	without radio equipment	without sensor	**29GW.1**	1 unit(s)	~~3.989,30~~	**3.390,90**
IDS S4	without radio equipment	SenTix® 980 (pH), SenTix® ORP-T 900 (Rx), TetraCon® 925 (EC), FDO 925 (DO)	**29GX.1**	1 unit(s)	~~6.402,70~~	**5.442,30**
IDS WL	with radio equipment	without sensor	**29GY.1**	1 unit(s)	~~4.407,50~~	**3.746,35**



-25 % Autoclavable DWK LIFE SCIENCES

Beakers DURAN® Super Duty

DWK Life Sciences. Material: DURAN® glass. Autoclavable: yes.

- Proven DURAN® properties
- Glass type I, neutral glass according to USP, EP and JP
- High mechanical stability
- Reinforced, stable rim
- Regular wall-thickness
- Autoclavable, sterilisable
- With retrace code
- Easily readable scale
- Fired-on highly durable labelling

Notes for use:
To avoid thermal stresses in the glass, uniform and slow heating of Super Duty products is recommended. When working at very high temperatures, or if rapid temperature changes are expected, standard DURAN® beakers and Erlenmeyer flasks should be used, as these have excellent thermal shock resistance. However, their mechanical sturdiness is limited compared with the Super Duty range.

Low form

Vol. (ml)	Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
150	60	80	**PC33.1**	10 unit(s)	~~80,55~~	**60,40**
250	70	95	**PC34.1**	10 unit(s)	~~80,55~~	**60,40**
400	80	110	**PC35.1**	10 unit(s)	~~106,05~~	**79,50**
600	90	125	**PC36.1**	10 unit(s)	~~124,30~~	**93,20**
1,000	105	145	**PC37.1**	10 unit(s)	~~199,00~~	**149,25**
2,000	132	185	**PC38.1**	10 unit(s)	~~348,00~~	**261,00**
5,000	170	270	**PC39.1**	1 unit(s)	~~195,00~~	**146,25**

High form

Vol. (ml)	Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
150	54	95	**CHL2.1**	10 unit(s)	~~83,20~~	**62,40**
250	60	120	**CHL3.1**	10 unit(s)	~~84,60~~	**63,45**
600	80	150	**CHL4.1**	10 unit(s)	~~128,50~~	**96,35**



-25 % Autoclavable DWK LIFE SCIENCES

Erlenmeyer flasks DURAN® Super Duty

DWK Life Sciences. Material: DURAN® glass. Autoclavable: yes.

- Proven DURAN® properties
- Glass type I, neutral glass according to USP, EP and JP
- High mechanical stability
- Reinforced, stable rim
- Regular wall thickness
- Autoclavable, sterilisable
- With retrace code
- Easily readable scale
- Fired-on highly durable labelling

Notes for use:
To avoid thermal stresses in the glass, uniform and slow heating of Super Duty products is recommended. When working at very high temperatures, or if rapid temperature changes are expected, standard DURAN® beakers and Erlenmeyer flasks should be used, as these have excellent thermal shock resistance. However, their mechanical sturdiness is limited compared with the Super Duty range.

Narrow neck

Vol. (ml)	Ø Outer flask (mm)	Ø Outer neck (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
25	42	22	75	**PC40.1**	10 unit(s)	~~134,85~~	**101,10**
50	51	22	90	**PC41.1**	10 unit(s)	~~136,75~~	**102,55**
100	64	22	105	**PC42.1**	10 unit(s)	~~125,60~~	**94,20**
250	85	34	145	**PC43.1**	10 unit(s)	~~109,00~~	**81,75**
500	105	34	180	**PC44.1**	10 unit(s)	~~130,50~~	**97,85**
1,000	131	42	220	**PC45.1**	10 unit(s)	~~209,00~~	**156,75**
2,000	166	50	280	**PC46.1**	10 unit(s)	~~382,00~~	**286,50**
5,000	220	52	365	**PC47.1**	1 unit(s)	~~184,00~~	**138,00**

Wide neck

Vol. (ml)	Ø Outer flask (mm)	Ø Outer neck (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
100	64	34	105	**PC48.1**	10 unit(s)	~~99,25~~	**74,40**
250	85	50	140	**PC49.1**	10 unit(s)	~~109,00~~	**81,75**
500	105	50	175	**PC50.1**	10 unit(s)	~~130,50~~	**97,85**
1,000	131	50	220	**PC51.1**	10 unit(s)	~~209,00~~	**156,75**



-20 % Autoclavable DWK LIFE SCIENCES

Measuring cylinders DURAN® Super Duty class B

DWK Life Sciences. Material: DURAN® glass. Autoclavable: yes.
Low form, with line graduations and hexagonal base.

- Proven DURAN® properties
- Glass type I, neutral glass according to USP, EP and JP
- High mechanical stability
- Higher impact resistance through reinforced, stable rim
- Regular wall-thickness
- Easily readable scale
- Fired-on highly durable labelling

Vol. (ml)	Graduations (ml)	Tolerance (ml)	Ø (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
100	2	1	39	168	**HKL1.1**	2 unit(s)	~~105,70~~	**84,55**
250	5	2	54	205	**HKL2.1**	2 unit(s)	~~136,25~~	**109,00**
500	10	5	66	253	**HKL3.1**	2 unit(s)	~~173,00~~	**138,40**
1,000	20	10	85	290	**HKL4.1**	2 unit(s)	~~254,00~~	**203,20**



-20 %

Autoclavable

DWK LIFE SCIENCES

Baffled flasks DURAN® with screw closure

DWK Life Sciences. Material: DURAN® glass borosilicate glass 3.3, PP screw closure with PTFE membrane. Autoclavable: yes.

With membrane screw cap and pouring ring. Four baffles on the base create a turbulent flow, enlarge the gas exchange surface area and therefore increase oxygen intake. Automated production ensures a reproducible flask geometry and consistent results.

- Double-thickness walls for exceptional mechanical stability
- With retrace code (batch identification)
- Easy-to-read scale with graduation marks for assessing the content
- Baked-on, highly resistant white print
- Temperature-stable up to +140 °C

Technical specifications:

Art. No.	PK16.1	PK17.1	AEP1.1
Ø ext.	81 mm	105 mm	136 mm
Height	145 mm	180 mm	221 mm

Vol. (ml)	Thread	Art. No.	Pack Qty.	€	€
250	GL 45	**PK16.1**	4 unit(s)	~~106,45~~	**85,15**
500	GL 45	**PK17.1**	4 unit(s)	~~119,65~~	**95,70**
1,000	GL 45	**AEP1.1**	1 unit(s)	~~38,50~~	**30,80**



-20 %

Autoclavable

DWK LIFE SCIENCES

Culture flasks in Erlenmeyer shape

DWK Life Sciences. Material: DURAN® glass. Autoclavable: yes.

Uniform, straight neck, suitable for Erlenmeyer CAP caps K395.1–K397.1

Technical specifications:

Art. No.	L182.1	L183.1	L184.1	L185.1	L186.1	L187.1	L188.1
Vol.	100 ml	200 ml	250 ml	300 ml	500 ml	1,000 ml	2,000 ml
Ø ext.	64 mm	79 mm	85 mm	87 mm	105 mm	131 mm	166 mm
Ø Outer neck	38 mm						
Height	114 mm	138 mm	149 mm	161 mm	183 mm	229 mm	302 mm

Vol. (ml)	Ø Outer neck (mm)	Art. No.	Pack Qty.	€	€
100	38	**L182.1**	10 unit(s)	~~234,00~~	**187,20**
200	38	**L183.1**	10 unit(s)	~~255,00~~	**204,00**
250	38	**L184.1**	10 unit(s)	~~261,00~~	**208,80**
300	38	**L185.1**	10 unit(s)	~~127,35~~	**101,85**
500	38	**L186.1**	10 unit(s)	~~161,00~~	**128,80**
1,000	38	**L187.1**	1 unit(s)	~~33,25~~	**26,60**
2,000	38	**L188.1**	1 unit(s)	~~43,20~~	**34,55**



-20 %

Autoclavable

Screw caps LABOCAP

ROTH SELECTION. Material: aluminium colour anodised, chrome-nickel-steel spring. Autoclavable: yes.

For Erlenmeyer and culture flasks with straight necks, Ø 38 mm. Spring clamp on the vessel outer wall. Temperature stable up to 140 °C.

Only use mild, neutral cleaner for cleaning. **Do not wash in a dishwasher!** Cleaning agents may attack aluminium and damage the surface. Colourful caps can discolour in the dishwasher.

Suitable for	Colour	Art. No.	Pack Qty.	€	€
Ø 37/39 mm	silver	**K395.1**	10 unit(s)	~~42,60~~	**34,00**
Ø 37/39 mm	blue	**K396.1**	10 unit(s)	~~42,60~~	**34,00**
Ø 37/39 mm	red	**K397.1**	10 unit(s)	~~42,60~~	**34,00**

-20 %

Drying cabinets

Memmert.



General features:

- Stainless steel interior (1.4301)
- Fully insulated stainless steel door
- Fresh air supply by electronically adjustable exhaust air flap
- Textured stainless steel housing
- Interior depth minus 39 mm for devices with forced air circulation
- Depth plus door handle 56 mm
- Incl. factory calibration certificate valid for +160 °C

Other features:

- German, English, French and Spanish language options
- Digital timer (adjustable from 1 min to 99 d, 23 h) or continuous operation
- "SetpointWAIT" function – process time does not start until the target temperature is reached

Delivery incl. stainless steel grating (models 30 and 55: 1 grate, models 75 to 260: 2 grates).

Models: UF with forced air circulation (fan)

- **Operating temperature range from 10 °C above room temperature to 300 °C**
  Setting temperature from 20 to 300 °C
  Setting accuracy up to 99.9 °C: 0.1 K, from 100 °C: 0.5 K
- Graphical single TFT display with touch screen for operation and displaying temperature, program runtime and air flap position
- Integrated data logger with 10-year memory
- With Ethernet communication port for reading out log data
- Protection against overheating
- Quiet air turbine for air circulation mode (air turbine can be controlled and switched off)

Technical specifications:

Art. No.	TY06.1	TY07.1	TY08.1	TY09.1	TY10.1	TY11.1
Type	UF 30	UF 55	UF 75	UF 110	UF 160	UF 260
Operating temperature	from 10 °C above room temperature to 300 °C					
Vol.	32 l	53 l	74 l	108 l	161 l	256 l
Inner width	400 mm			560 mm		640 mm
Inner height	320 mm	400 mm	560 mm	480 mm	720 mm	800 mm
Inner depth	211 mm	291 mm		361 mm		461 mm
Outer width	585 mm			745 mm		824 mm
Outer height	707 mm	787 mm	947 mm	867 mm	1,107 mm	1,186 mm
Outer depth	434 mm	541 mm		584 mm		684 mm
Max. removable shelves	3	4	6	5	8	9
Power consumption	1,600 W	2,000 W	2,500 W	2,800 W	3,200 W	3,400 W
Temporal temp. variance	<±0,5 °C	<±0,6 °C	<±0,7 °C	<±0,6 °C	<±0,8 °C	<±0,9 °C
Spatial temp. deviation	<±3,5 °C	<±2,6 °C	<±3,2 °C	<±3,6 °C	<±3,5 °C	
Weight	44 kg	55 kg	65 kg	74 kg	96 kg	110 kg
Mains connection	230 V, 50/60 Hz					

Type	Vol. (l)	Art. No.	Pack Qty.	€	€
UF 30	32	**TY06.1**	1 unit(s)	~~1.569,00~~	**1.255,20**
UF 55	53	**TY07.1**	1 unit(s)	~~1.890,00~~	**1.512,00**
UF 75	74	**TY08.1**	1 unit(s)	~~2.237,00~~	**1.789,60**
UF 110	108	**TY09.1**	1 unit(s)	~~2.612,00~~	**2.089,60**
UF 160	161	**TY10.1**	1 unit(s)	~~3.436,00~~	**2.748,80**
UF 260	256	**TY11.1**	1 unit(s)	~~4.381,00~~	**3.504,80**



-25 %

Small incubator Cultura® M

ROTH SELECTION.

For incubating 18 dip slides (e.g. ROTI® DipSlides culture medium) or 12 Petri dishes and other small vessels for verifying bacteria, fungi and yeasts.

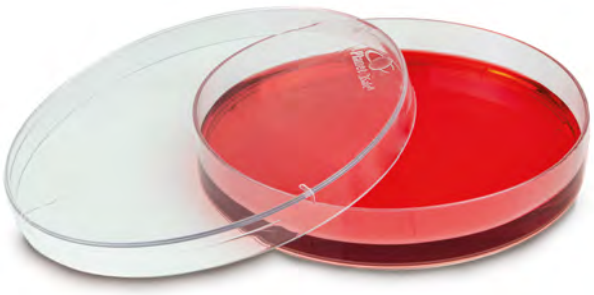
- **Operating temperature range from +5 °C above room temperature to 45 °C; temperature adjustment range from 25 to 45 °C**
- Thermometer in tube with special petroleum filling. Measuring range 7 to 60 °C. Graduations 1 °C. Accuracy ±1 °C. Dimensions: H 95 x Ø 25 mm.
- Transparent full-vision door for visual inspection
- Minimal footprint, i.e. space-saving

Delivery incl. control thermometer in the tube and shelf.

Technical specifications:

Art. No.	AHH9.1
Type	Cultura® M
Operating temperature	from +5 °C above room temperature to +45 °C
Set temperature from	+25 °C
Set temperature up to	+45 °C
Vol.	4 l
Inner width	220 mm
Inner depth	150 mm
Inner height	120 mm
Outer width	310 mm
Outer depth	168 mm
Outer height	155 mm
Temperature variance	±1 K
Weight	1.1 kg
Mains connection	230 V, 50 Hz

Type	Vol. (l)	Art. No.	Pack Qty.	€	€
Cultura® M	4	**AHH9.1**	1 unit(s)	~~289,20~~	**216,85**



-30 % NEW / + S

Petri dishes Planet-Safe

Diversified Biotech. Material: PLA. **Sterile**.

Made from 100% plant-based PLA (polylactic acid) that is specially sourced from sustainably grown sugar cane. PLA is much more hydrophilic than polystyrene, making it particularly suitable for adherent eucaryotic types of cell, even without surface treatment.

Ø x H (mm)	Sterility	Pack.	Art. No.	Pack Qty.	€	€
100 x 16	**Sterile**	25 x 15 pieces	**297M.1**	375 unit(s)	~~321,45~~	**225,00**
150 x 20	**Sterile**	12 x 5 pieces	**297U.1**	60 unit(s)	~~256,95~~	**179,85**

Gridded

Ø x H (mm)	Sterility	Pack.	Art. No.	Pack Qty.	€	€
150 x 20	**Sterile**	12 x 5 pieces	**297G.1**	60 unit(s)	~~256,95~~	**179,85**

-25 % Autoclavable

Sterilisation baskets with lid attached

Hupfer. Material: stainless steel 1.4301, electrolytically polished. Autoclavable: yes.

For holding small parts and accessories. With permanently mounted lid. Mesh size 1.6 x 1.6 mm.

Medical device class I

Outer length (mm)	Outer width (mm)	Outer height (mm)	Art. No.	Pack Qty.	€	€
80	40	42	**27XE.1**	1 unit(s)	~~153,60~~	**115,10**
80	80	42	**27XH.1**	1 unit(s)	~~123,25~~	**92,40**
200	100	50	**27XK.1**	1 unit(s)	~~195,65~~	**146,70**
210	150	40	**27XL.1**	1 unit(s)	~~254,80~~	**191,05**
224	140	54	**27XN.1**	1 unit(s)	~~190,30~~	**142,70**
274	174	36	**27XP.1**	1 unit(s)	~~235,45~~	**176,55**
310	210	40	**27XT.1**	1 unit(s)	~~272,00~~	**203,95**





-30 % Autoclavable

Instrument holder

Hammacher. Material: stainless steel Remanit 4021. Autoclavable: yes.

Holder for Drigalski spatula, brushes, inoculation loop holder and other instruments.

Not a medical device / Not an IVD product

Ø Hole (mm)	Art. No.	Pack Qty.	€	€
9.5	**EXE0.1**	1 unit(s)	~~128,25~~	**89,75**

-20 % S Autoclavable DNase-free RNase-free ❄❄❄

Cryogenic vials True North™ sterile



ROTH SELECTION. Material: PP. **Sterile**. Autoclavable: yes.

Lid via vial with identical Ø (13 mm), therefore also suitable for cryogenic box format 10 x 10. Suitable for storage in freezers or liquid nitrogen (gas phase).
Temperature-stable from -196 to +121 °C.

- Graduated, with labelling space
- **RNase/DNase-free, non-pyrogenic and non-cytotoxic**

Colour assortment: coloured lid (blue, red, green, violet, grey).

Not a medical device / Not an IVD product

Vol. (ml)	Lock	Ø ext. (mm)	Height (mm)	Colour	Centrifugability swing-out rotor in g	Centrifugability fixed angle rotor in g	Pack.	Art. No.	Pack Qty.	€	€
2	Silicone seal	13	49	assorted colours	20,000	20,000	10 x 50	**TP67.1**	500 unit(s)	~~239,75~~	**191,75**
2	Silicone seal	13	49	colourless	20,000	20,000	10 x 50	**XT57.1**	500 unit(s)	~~239,75~~	**191,75**



-25 % Autoclavable

PCR strips 8

ROTH SELECTION. Material: PP. Autoclavable: yes.

- PCR reaction strips, each with 8 reaction vials
- Lid suspended individually
- Extremely thin-walled PCR vials guarantee optimum temperature exchange when heating and cooling down during the PCR cycles
- **DNase-, RNase- and DNA-free**

Flat lid

Flat lid with penetrable cannula.

Volume per well (µl)	Colour	Art. No.	Pack Qty.	€	€
200	colourless	**CH87.1**	125 unit(s)	~~125,15~~	**93,85**
200	blue	**CH88.1**	125 unit(s)	~~125,15~~	**93,85**
200	green	**CH89.1**	125 unit(s)	~~125,15~~	**93,85**
200	red	**CH90.1**	125 unit(s)	~~125,15~~	**93,85**
200	yellow	**CH91.1**	125 unit(s)	~~125,15~~	**93,85**

Convex cap

Convex cap, not puncturable.

Volume per well (µl)	Colour	Art. No.	Pack Qty.	€	€
200	colourless	**CH92.1**	125 unit(s)	~~125,15~~	**93,85**
200	blue	**CH93.1**	125 unit(s)	~~125,15~~	**93,85**
200	green	**CH94.1**	125 unit(s)	~~125,15~~	**93,85**
200	red	**CH95.1**	125 unit(s)	~~125,15~~	**93,85**
200	yellow	**CH96.1**	125 unit(s)	~~125,15~~	**93,85**



-20 % Autoclavable

PCR trays ROTILABO® 96 well

Carl ROTH. Material: PP. Colourless. Autoclavable: yes.

- Black, alphanumeric numbering
- Thin-walled for optimal heat transfer between thermocycler and sample
- Cavities with raised edge to aid covering with PCR film
- Suitable for most standard thermocyclers
- **RNase-, DNase- and human-DNA-free**

Version	Type	Volume per well (µl)	Cut corner	Art. No.	Pack Qty.	€	€
Standard	half frame	250	A12	**CEN0.1**	50 unit(s)	~~197,80~~	**158,20**
Low Profile	whole rack	150	H1	**CEN1.1**	50 unit(s)	~~197,80~~	**158,20**



-15 % NEW / +

Incubation shakers with cooling function INC 125 FCS digital series

IKA.

For cooling, heating and mixing. With compressor cooling. Removable shaker platform, which enables static as well as shaking incubation. If the shaker platform is removed, the device can be used like a normal incubator.

- Shaking and tempering functions can be used independently of each other
- With removable platform for easy removal and insertion of samples
- Counter, timer and timer auto modes (timer starts only after reaching the set temperature)
- Decontamination mode available (100 °C)
- Door with viewing window
- Interior lighting
- With fan, adjustable fan speed of 40 to 100%
- Platform with hole pattern for shaking Erlenmeyer flasks using spring clips (please order spring clips separately). Mounting surface W 480 x D 340 mm.

  Max. number per board:
  39 clamps for 25 ml flasks or
  39 clamps for 50 ml flasks or
  24 clamps for 100 ml flasks or
  12 clamps for 200/250/500 ml flasks or
  6 clamps for 1000 ml flasks or
  2 clamps for 2000 ml flasks or
  3 test tube racks IO R 2.10

Technical specifications:

Art. No.	21WT.1	21WU.1
Type	INC 125 FCS digital (SP20)	INC 125 FCS digital (SP25)
Movement type	orbital	
Operating temperature	+5 to +80 °C	
Resolution	0,1 °C	
Setting accuracy	0,1 °C	
Accuracy	±0,3 K	
Speed range	10 to 300 rpm	
Shaking amplitude (stroke)	20 mm	25 mm
Timer	99 d, 23 h and 59 min	
Max. removable shelves	5	
Vol.	125 l	
W x D x H, interior	550 x 415 x 550 mm	
W x D x H, external	700 x 635 x 1000 mm	
Heating output	750 W	
Weight	95 kg	
Mains connection	200–240 V, 50/60 Hz	

Model INC 125 FCS digital (SP20) with 20 mm stroke

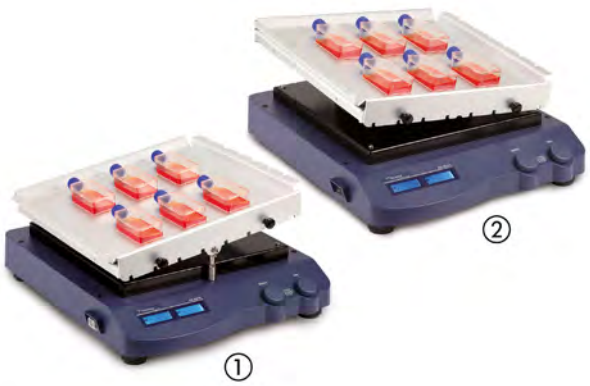
Delivery incl. spring clip attachment SP20 (stroke 25 mm) for fastening fixing clips or mats, 2 wire mesh shelves IO T 1.00 (548 x 421 mm, max. 30 kg) and factory calibration certificate at 37 °C and 5 °C. **Without** spring clips, please order separately.

Type	Art. No.	Pack Qty.	€	€
INC 125 FCS digital (SP20)	**21WT.1**	1 unit(s)	~~7.799,00~~	**6.629,15**

Model INC 125 FCS digital (SP25) with 25 mm stroke

Delivery incl. spring clip attachment SP25 (stroke 25 mm) for fastening fixing clips or mats, 2 wire mesh shelves IO T 1.00 (548 x 421 mm, max. 30 kg) and factory calibration certificate at 37 °C and 5 °C. **Without** spring clips, please order separately.

Type	Art. No.	Pack Qty.	€	€
INC 125 FCS digital (SP25)	**21WU.1**	1 unit(s)	~~7.799,00~~	**6.629,15**



-20 %

Rocker and 3D shakers RS-10 series

Phönix Instrument.

For the colouration, discolouration and washing of gels, DNA extractions, etc.

- Digital speed and timer display
- Illuminated display

Technical specifications:

Art. No.	1N41.1	1N42.1
Type	RS-RR 10	RS-RD 10
Movement type	see-saw	circular 3D rocking motion
Speed range	10 to 70 rpm	
Tilt angle	9 °	
Timer	1 to 1199 min or continuous operation	
Shaking surface area	320 x 320 mm	
W x D x H	420 x 370 x 106 mm	420 x 370 x 200 mm
Loading capacity	10 kg	5 kg
Permissible ambient conditions	5 to 40 °C at 80% rel. humidity	
Weight	12 kg	9 kg
Mains connection	100–240 V, 50/60 Hz	110–240 V, 50/60 Hz

Delivery incl. tray top with six fixing bands.

Pic.	Type	Art. No.	Pack Qty.	€	€
(1)	RS-RR 10	**1N41.1**	1 unit(s)	~~1.069,65~~	**855,70**
(2)	RS-RD 10	**1N42.1**	1 unit(s)	~~1.069,65~~	**855,70**



-20 %

Test tube shaker Genie® Vortex Mixer

Ohaus.

Robust and reliable shaking devices for rapid mixing and shaking of samples.

- Numerous accessories, such as attachments for test tubes, beakers, reaction vials, etc.
- Attachments are easy to change thanks to the snap-lock closure

Technical specifications:

Art. No.	P505.1
Type	Vortex-Genie® 2
Movement type	circular vibrating
Speed range	600 to 2700 rpm
Speed display	scale
Timer display	no
W x D x H	122 x 165 x 165 mm
Permissible ambient conditions	0 to +38 °C at 95% RH
Weight	4 kg
Mains connection	230 V, 50/60 Hz

Delivery incl. standard attachment (inside Ø 25 mm) and shaking tray (Ø 75 mm).

Model: Vortex-Genie® 2
Intermittent operation (with automatic start, triggered by pressing the attachment) or continuous operation is possible.

Type	Art. No.	Pack Qty.	€	€
Vortex-Genie® 2	**P505.1**	1 unit(s)	~~447,00~~	**357,60**



-20 %

Rotators TR series

Stuart/Cole-Parmer.

For gentle blending of samples, such as culture tubes, blood vials and reaction vials, for example.

- Turntables available for different vessels
- Freely adjustable angle of rotation

Technical specifications:

Art. No.	Y549.1	Y550.1
Type	TR-200	TR-200D
Speed range		2 to 40 rpm
Speed	20 rpm	
Speed display		digital
Timer		1 to 999 min
W x D x H, external	200 x 270 x 240 mm	
Permissible ambient conditions	4 to 60 °C at 80% rel. humidity	
Weight	3,2 kg	
Mains connection	230 V, 50 Hz	

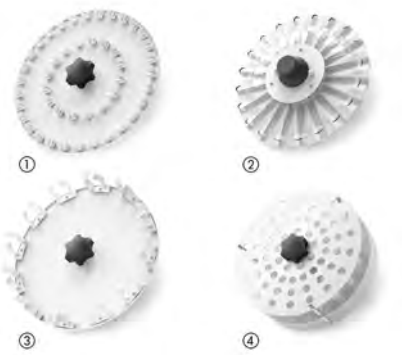
Delivery incl. basic unit without turntable.
Please order required turntables separately.

Model TR-200
With fixed set speed.

Type	Art. No.	Pack Qty.	€	€
TR-200	**Y549.1**	1 unit(s)	~~602,00~~	**481,60**

Model TR-200D
With variable speed control, digital speed display and timer function.

Type	Art. No.	Pack Qty.	€	€
TR-200D	**Y550.1**	1 unit(s)	~~906,25~~	**724,95**



-20 %

Accessories turntables for rotators TR-200/D

Stuart/Cole-Parmer.

Pic.	Designation	Art. No.	Pack Qty.	€	€
(1)	40 reaction vials 1,5/2,0 ml	**Y551.1**	1 unit(s)	~~308,55~~	**246,80**
(2)	20 sample vials Ø 9-20 mm	**Y552.1**	1 unit(s)	~~308,55~~	**246,80**
(3)	12 centrifuge tubes 50 ml	**Y553.1**	1 unit(s)	~~367,65~~	**294,10**
(4)	63 culture tubes Ø 12 mm	**Y554.1**	1 unit(s)	~~406,35~~	**325,05**
(4)	63 culture tubes Ø 16 mm	**Y555.1**	1 unit(s)	~~337,55~~	**270,00**



-25 %

Combi-shaker KL 2

Edmund Bühler.

Practical small shaker which can be switched between **circular and back and forward movements** at any time.

- **Loading capacity: 2 kg**
- Infinitely adjustable, electronic control
- Optional accessories available: tension roller, clamping roller and spring roller – see shaker accessories
- Loading options, e.g. 4 x 500 ml Erlenmeyer flasks or 2 x 1000 ml Erlenmeyer flasks

Technical specifications:

Art. No.	P436.1
Type	KL 2
Speed range	30 to 420 rpm
Shaking amplitude (stroke)	8 mm
Timer	0 to 120 min or continuous operation
Shaking surface area	300 x 300 mm
W x D x H	355 x 455 x 195 mm
Weight	12.5 kg
Mains connection	230 V, 50/60 Hz

Delivery incl. rack attachment with three tension rollers h and finely scored mat.

Type	Art. No.	Pack Qty.	€	€
KL 2	**P436.1**	1 unit(s)	~~2.048,95~~	**1.536,70**



-15 %

Rotator Tube Revolver for sample tubes

Thermo.

For mixing samples in test tubes.

- With LED speed display
- Turntable can be positioned at any angle
  (exception: turntable for 50 ml centrifuge tubes can only be positioned horizontally or vertically)
- Turntable are easy to replace
- Overhead mixing function with activateable agitation mode
  (additional shaking every 40° during every second rotation cycle)
- Max. 4 turntables can be attached at once
  (exception: only 1 turntable can be attached for 50 ml centrifuge tubes)

Technical specifications:

Art. No.	ATX1.1
Type	Tube revolver
Speed range	10 to 40 rpm
W x D x H, external	225 x 154 x 195 mm
Permissible ambient conditions	4 to 60 °C at 80% rel. humidity
Weight	1.2 kg
Mains connection	100–240 V, 50/60 Hz

Delivery incl. 2 turntables for 7 centrifuge tubes 15 ml, 2 turntables for 7 blood collection tubes 5/7 ml, 2 turntables for 15 reaction vials 1.5/2.0 ml, 2 turntables for 21 reaction vials 0.5/0.8 ml and 1 turntable for 6 centrifuge tubes 50 ml.

Type	Art. No.	Pack Qty.	€	€
Tube revolver	**ATX1.1**	1 unit(s)	~~489,00~~	**415,65**



-20 %

Tilt/roller mixer RS-TR series

Phönix Instrument.

Simultaneous rolling and tilting movement for thorough mixing of samples, e.g. in centrifuge tubes and sample tubes. For vessel Ø max. 100 mm.

Variable speed control from 0 to 70 rpm via analogue rotary knob with scales.

Technical specifications:

Art. No.	XK30.1
Type	RS-TR 05
Number of rollers	6
Speed range	0 to 70 rpm
Shaking amplitude (stroke)	24 mm
Roller length	280 mm
Roller Ø	30 mm
W x D x H	260 x 490 x 120 mm
Permissible ambient conditions	5 to 40 °C at 80% rel. humidity
Weight	5,1 kg
Mains connection	100–240 V, 50/60 Hz

Type	Art. No.	Pack Qty.	€	€
RS-TR 05	**XK30.1**	1 unit(s)	~~478,40~~	**382,70**



-20 %

Vacuum systems LABOPORT®

KNF.

Available in various versions and therefore tailor-made for the individual requirements in the laboratory.
The core of the system is the LABOPORT® diaphragm vacuum pump (N 800 G-series): compact, chemical-resistant and high-power.
Even more environmentally friendly thanks to newly developed system components such as separator, high-performance condenser and/or innovative vacuum controller.

- Integrated speed control for precise vacuum
- Integrated gas ballast valve for high vapour and condensate resistance
- Inner media-contact area ATEX-compliant according to “II 3/-G Ex h IIB+H2 T3 Gc internal atmosphere only”; for applications involving working with highly flammable solvents in closed systems. Not approved for ATEX zones

Technical specifications:

Art. No.	1TAC.1	1TAE.1	1TAH.1	1TAK.1	1TAL.1	1TAN.1
System	SR 820 G	SR 840 G	SH 820 G	SH 840 G	SC 820 G	SC 840 G
Version	separator		separator, condenser		separator, condenser, controller	
Suction capacity (l/min)	20.0	34.0	20.0	34.0	20.0	34.0
End vacuum (abs.)	6 mbar					
End vacuum abs. with gas ballast	17 mbar					
Overpressure	0,1 bar					
Connection	for hose inner Ø 8–9.5 mm					
Ambient temperature	+5 – +40 °C					
Materials in contact with media	pump head: PTFE, diaphragms: PTFE-coated, valves: FFPM, hose nozzles: PVDF/FPM					
W x D x H	282 x 260 x 234 mm	299 x 274 x 250 mm	323 x 260 x 416 mm	340 x 274 x 416 mm	347 x 260 x 416 mm	366 x 274 x 416 mm
Weight	10,7 kg	13,1 kg	11,7 kg	14,1 kg	13,35 kg	15,75 kg
Mains connection	100–240 V, 50/60 Hz					

(1) SR series
Equipped with two coated glass separators (suction side and pressure side). For trapping and retaining particles and fluid droplets/condensate out of the flow. Prevents these from reaching the vacuum pump on the suction side and releases them into the ambient air on the pressure side.

Delivery incl. base plate, suction-side and pressure-side separator.

Type	Art. No.	Pack Qty.	€	€
SR 820 G	**1TAC.1**	1 unit(s)	~~2.917,55~~	**2.334,00**
SR 840 G	**1TAE.1**	1 unit(s)	~~3.373,35~~	**2.698,65**

(2) SH series
Equipped with coated glass separator (suction side) and high-power condenser (pressure-side).
Almost complete recovery of solvents that have very low boiling points possible thanks to cooling of the flow via the high-power condenser.
For active environmental protection and reuse of the recovered solvents.

Delivery incl. base plate, suction-side separator and pressure-side high-power condenser.

Type	Art. No.	Pack Qty.	€	€
SH 820 G	**1TAH.1**	1 unit(s)	~~3.379,80~~	**2.703,80**
SH 840 G	**1TAK.1**	1 unit(s)	~~3.819,50~~	**3.055,55**

(3) SC series
Equipped with vacuum controller, coated glass separator (suction side) and high-power condenser (pressure-side).

- Automatic, precise boiling point detection and boiling point tracking using integrated ramp function
- No solvent library required
- Radio remote control for safe operation outside of the enclosed vents
- Simple, intuitive operation via touch-screen display and precise rotary button control
- Four operating modes for nearly all common laboratory applications
- High recovery rates even with solvents that have very low boiling points

Delivery incl. base plate, suction-side separator, pressure-side high-power condenser and vacuum controller with control unit.

Type	Art. No.	Pack Qty.	€	€
SC 820 G	**1TAL.1**	1 unit(s)	~~6.374,75~~	**5.099,80**
SC 840 G	**1TAN.1**	1 unit(s)	~~6.954,20~~	**5.563,30**



-15 %

Piston vacuum pump ROTILABO® CR-KP292

ROTH SELECTION.

Compact pump for vacuum and pressure applications.
Suitable for pumping air and neutral gases.

Application:
pressure filtration of aqueous solutions, use in vacuum ovens, vacuum drying and gas sampling.

Technical specifications:

Art. No.	CYA9.1
Type	CR-KP292
Suction capacity (l/min)	9.0
Suction capacity (m³/h)	0.6
End vacuum (abs.)	292 mbar
Overpressure	3,3 bar
Media temperature	+10 – +60 °C
Connection	for hose inner Ø 6 mm
Motor power	25 W
Ambient temperature	+10 – +40 °C
W x D x H	114 x 194 x 191 mm
Weight	2 kg
Mains connection	230 V, 50 Hz

Type	Art. No.	Pack Qty.	€	€
CR-KP292	**CYA9.1**	1 unit(s)	~~376,25~~	**319,80**



-20 %

Rotary vane pump package CRVpro series

WELCH Vacuum.

Complete packages with two-stage rotary vane pumps.

- Low operating temperature due to enhanced cooling geometry
- Coating of the pump body and the oil container as protection against chemical vapours
- Low oil consumption and corrosion inhibition due to low heat development during operation
- Large oil reservoir reduces the concentration of chemicals, thereby increasing the oil change intervals

Application:

- Freeze dryer (CRVpro 4/6/8)
- Vacuum centrifuge (CRVpro 6)
- Vacuum ovens (CRVpro 8)
- Schlenk technology (CRVpro 4)
- Glove box (CRVpro 8)

Delivery incl. AKD 16 oil mist separator, 2-way ball valve, adapter (DN 16 small flange to DN 10/8 mm hose nozzle), vacuum hose (1.5 m), oil change set incl. 2 x 1 l oil, clamping and centring rings.

Technical specifications:

Art. No.	HKE0.1	HKE1.1	HKE2.1
Type	CRVpro 4	CRVpro 6	CRVpro 8
Suction capacity (l/min)	63.0	85.0	122.0
Suction capacity (m^3/h)	3.8	5.1	7.3
End vacuum (abs.)	2 x 10^{-3} mbar		
End vacuum abs. with gas ballast	7 x 10^{-2} mbar		
Media temperature	+10 – +40 °C		
Connection	DN 16 KF small flange		
Oil filling	1,15 l		1,0 l
Motor power	370 W		
Ambient temperature	+10 – +40 °C		
IP rating	54		
Noise level	50 db		
W x D x H	463 x 157 x 230 mm		
Weight	21 kg	22 kg	22,5 kg
Mains connection	115–230 V, 50/60 Hz		

Type	Art. No.	Pack Qty.	€	€
CRVpro 4	**HKE0.1**	1 unit(s)	~~3.079,90~~	**2.463,90**
CRVpro 6	**HKE1.1**	1 unit(s)	~~3.370,15~~	**2.696,10**
CRVpro 8	**HKE2.1**	1 unit(s)	~~4.058,15~~	**3.246,50**



-25 % Autoclavable DWK LIFE SCIENCES

Vacuum filtration units DURAN® 47 mm with ground joint

DWK Life Sciences. Material: borosilicate glass, PTFE.
Autoclavable: yes.

For coarse and membrane filtration, retention analysis, particle tests and microbiology, as well as for filtration of alkali and aggressive media. For use with filter papers, membrane filters or glass filters with Ø of 47 mm or 50 mm. Temperature stable up to +180 °C.

- Parts in contact with media are made of glass and PTFE, therefore are suitable for universal use, biologically inert and corrosion resistant
- Scaled reservoir for easier metering and evaluation
- Plates are optionally available in porosity grades of 1–4, which means they are also suitable for analytical filtration
- Fast and easy to clean
- Connection hose suitable for hoses with an inside Ø of 5–8 mm

Delivery incl. PTFE adapter plate, slit-sieve plate as a filter holder, glass filter disc, porosity 2 and vaccum bottle.

Type	Funnel vol. (ml)	Bottle vol. (ml)	Suitable for	Art. No.	Pack Qty.	€	€
Filtration unit 250 ml / 1000 ml	250	1,000	filter Ø: 47/50 mm	**XT09.1**	1 unit(s)	~~691,00~~	**518,25**
Filtration unit 500 ml / 2000 ml	500	2,000	filter Ø: 47/50 mm	**HKL5.1**	1 unit(s)	~~817,00~~	**612,75**



-25 % NEW/+

Round filters ROTILABO®

Carl ROTH.

Filter paper for **qualitative analysis**. Made of 100% cellulose.
Ash content: 0.06%.

Type 111A

Very fast filtration speed. Filtration time according to DIN 53137: 10 s.
Surface weight: 80 g/m². Retention range: 12–15 µm.
Thickness: 0.16 mm.

Type	Ø (mm)	Retention range (µm)	Art. No.	Pack Qty.	€	€
111A	25	12–15	**1YMG.1**	100 unit(s)	~~7,15~~	**5,35**
111A	47	12–15	**1YMH.1**	100 unit(s)	~~7,15~~	**5,35**
111A	55	12–15	**1YMK.1**	100 unit(s)	~~7,30~~	**5,45**
111A	70	12–15	**1YML.1**	100 unit(s)	~~8,90~~	**6,65**
111A	90	12–15	**1YMM.1**	100 unit(s)	~~9,75~~	**7,30**
111A	110	12–15	**1YMN.1**	100 unit(s)	~~11,90~~	**8,90**
111A	125	12–15	**1YMP.1**	100 unit(s)	~~12,50~~	**9,35**
111A	150	12–15	**1YMT.1**	100 unit(s)	~~15,50~~	**11,60**
111A	185	12–15	**1YMU.1**	100 unit(s)	~~21,30~~	**15,95**
111A	240	12–15	**1YMW.1**	100 unit(s)	~~23,85~~	**17,85**

Type 113A

Medium filtration speed. Filtration time according to DIN 53137: 50 s.
Surface weight: 87 g/m². Retention range: 5–8 µm. Thickness: 0.16 mm.

Type	Ø (mm)	Retention range (µm)	Art. No.	Pack Qty.	€	€
113A	47	5–8	**1YPW.1**	100 unit(s)	~~6,60~~	**4,95**
113A	55	5–8	**1YTG.1**	100 unit(s)	~~7,00~~	**5,25**
113A	70	5–8	**1YTM.1**	100 unit(s)	~~8,05~~	**6,00**
113A	90	5–8	**1YTU.1**	100 unit(s)	~~9,95~~	**7,45**
113A	110	5–8	**1YTW.1**	100 unit(s)	~~10,55~~	**7,90**
113A	125	5–8	**1YU0.1**	100 unit(s)	~~11,60~~	**8,70**
113A	150	5–8	**1YU1.1**	100 unit(s)	~~12,60~~	**9,45**
113A	185	5–8	**1YU2.1**	100 unit(s)	~~17,65~~	**13,20**
113A	240	5–8	**1YU3.1**	100 unit(s)	~~25,20~~	**18,90**

Type 114A

Low filtration speed. Filtration time according to DIN 53137: 100 s.
Surface weight: 80 g/m². Retention range: 3–5 µm. Thickness: 0.15 mm.

Type	Ø (mm)	Retention range (µm)	Art. No.	Pack Qty.	€	€
114A	47	3–5	**1YMX.1**	100 unit(s)	~~7,55~~	**5,65**
114A	55	3–5	**1YMY.1**	100 unit(s)	~~7,70~~	**5,75**
114A	70	3–5	**1YNG.1**	100 unit(s)	~~7,95~~	**5,95**
114A	90	3–5	**1YNM.1**	100 unit(s)	~~9,25~~	**6,90**
114A	110	3–5	**1YNU.1**	100 unit(s)	~~11,45~~	**8,55**
114A	125	3–5	**1YNW.1**	100 unit(s)	~~11,90~~	**8,90**
114A	150	3–5	**1YPG.1**	100 unit(s)	~~13,50~~	**10,10**
114A	185	3–5	**1YPM.1**	100 unit(s)	~~17,90~~	**13,40**
114A	240	3–5	**1YPU.1**	100 unit(s)	~~30,90~~	**23,15**



-20 %

NEW / +

Syringe filters

Membrane Solutions.
With housing made of PP, ultrasonically welded (filter with membrane Ø 13 mm) or injection-moulded (filter with membrane Ø 25 mm).

Not a medical device / Not an IVD product

Cellulose acetate (CA)
Hydrophilic membrane for filtration of aqueous solutions.

Technical specifications:

Art. No.	22GA.1	22ML.1	1AN9.1	1ANA.1	22MG.1	22MK.1	22GC.1	22ME.1	22MM.1	1ANC.1	1ANE.1	22MW.1
Ø membrane	4 mm		13 mm	25 mm		30 mm	4 mm	13 mm		25 mm		30 mm
Ø housing	8 mm		17 mm	30 mm		35 mm	8 mm	17 mm		30 mm		35 mm
Membrane material	CA											
Housing material	PP											
Sample volume	<1 ml		<10 ml	<100 ml		<200 ml	<1 ml	<10 ml		<100 ml		<200 ml
Dead volume	<1 µl		<20 µl	<120 µl	<100 µl	<120 µl	<1 µl	<20 µl		<120 µl		
Inlet connection	Luer lock connector											
Outlet connection	Luer fitting											

Pore size (µm)	Sterility	Ø membrane (mm)	Art. No.	Pack Qty.	€	€
0,22	Non-sterile	4	**22GA.1**	200 unit(s)	~~139,75~~	**111,80**
0,22	**Sterile**	4	**22ML.1**	100 unit(s)	~~91,40~~	**73,10**
0,22	Non-sterile	13	**1AN9.1**	100 unit(s)	~~67,95~~	**54,30**
0,22	**Sterile**	25	**1ANA.1**	100 unit(s)	~~152,55~~	**122,00**
0,22	Non-sterile	25	**22MG.1**	100 unit(s)	~~82,80~~	**66,20**
0,22	Non-sterile	30	**22MK.1**	100 unit(s)	~~106,45~~	**85,10**
0,45	Non-sterile	4	**22GC.1**	200 unit(s)	~~139,75~~	**111,80**
0,45	Non-sterile	13	**22ME.1**	100 unit(s)	~~69,90~~	**55,90**
0,45	**Sterile**	13	**22MM.1**	100 unit(s)	~~91,40~~	**73,10**
0,45	Non-sterile	25	**1ANC.1**	100 unit(s)	~~122,45~~	**97,90**
0,45	**Sterile**	25	**1ANE.1**	100 unit(s)	~~152,55~~	**122,00**
0,45	Non-sterile	30	**22MW.1**	100 unit(s)	~~106,45~~	**85,10**

► A wide selection of other syringe filters, featuring different membrane materials and pore sizes, is available in the online shop at a special offer price.



-20 %

Screw top bottles DURAN® protect+

DWK Life Sciences. Material: DURAN® glass, PA-coated.
Autoclavable: no.

High-quality, premium class storage bottle for the safe storage of hazardous or expensive substances in the laboratory.
With labelling area, graduations and retrace code.

- The outer polymer coating offers protection against scratches, leaks* and splinters* (*only applies to bottles up to 2000 ml)

Note: do not expose DURAN® protect bottles to naked flames or direct heat. The new wide mouth bottle DURAN® protect+ is manufactured with a polyamide coating in line with current EU regulations.
The product is not autoclavable.

Delivery incl. dust cap. **Delivery without** pouring ring and screw cap, please order separately.

Clear glass

Vol. (ml)	Ø ext. (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	€	€
25	36	70	GL 25	**25NH.1**	10 unit(s)	~~224,00~~	**179,20**
50	46	87	GL 32	**25NK.1**	10 unit(s)	~~225,00~~	**180,00**
100	56	100	GL 45	**25NL.1**	10 unit(s)	~~246,00~~	**196,80**
250	70	138	GL 45	**25NN.1**	10 unit(s)	~~260,00~~	**208,00**
500	86	176	GL 45	**25NP.1**	1 unit(s)	~~30,70~~	**24,55**
1,000	101	225	GL 45	**25NT.1**	1 unit(s)	~~42,25~~	**33,80**
2,000	136	260	GL 45	**25NX.1**	1 unit(s)	~~77,90~~	**62,30**
3,500	160	295	GL 45	**25NY.1**	1 unit(s)	~~302,00~~	**241,60**
5,000	182	330	GL 45	**25P0.1**	1 unit(s)	~~398,00~~	**318,40**

Brown glass

Vol. (ml)	Ø ext. (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	€	€
50	46	87	GL 32	**25P3.1**	10 unit(s)	~~443,00~~	**354,40**
100	56	100	GL 45	**25P4.1**	10 unit(s)	~~443,00~~	**354,40**
250	70	138	GL 45	**25P5.1**	10 unit(s)	~~577,00~~	**461,60**
500	86	176	GL 45	**25P6.1**	10 unit(s)	~~716,00~~	**572,80**
1,000	101	225	GL 45	**25P7.1**	10 unit(s)	~~929,00~~	**743,20**
2,000	136	260	GL 45	**25P8.1**	6 unit(s)	~~859,00~~	**687,20**
5,000	182	330	GL 45	**25P9.1**	1 unit(s)	~~524,00~~	**419,20**
10,000	227	410	GL 45	**25PA.1**	1 unit(s)	~~796,00~~	**636,80**



-20 %

Autoclavable

Screw top bottles DURAN® brown glass

DWK Life Sciences.
Material: DURAN® glass.
Autoclavable: yes.

Amber coloured with unaltered DURAN® characteristics inside the bottle as only the exterior is coated. Long useful life and brown colouring has good chemical resistance. Light protection: absorption in short wave range up to 500 nm.

- With DIN GL thread and pitch
- Bottles up to 25 ml, with a specially shaped glass edge, so no pouring ring is required
- Bottles from 100 to 2000 ml: ring-shaped reinforcement in the bottles' shoulder, shows the bottles' nominal content
- With printed retrace code (batch code)
- Acc. to ISO 4796-1

With pouring ring and PP screw cap

Vol. (ml)	Ø ext. (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	€	€
50	46	91	GL 32	**A367.1**	10 unit(s)	~~270,00~~	**216,00**
100	56	105	GL 45	**A368.1**	10 unit(s)	~~306,00~~	**244,80**
150	62	110	GL 45	**PC85.1**	10 unit(s)	~~359,00~~	**287,20**
250	70	143	GL 45	**A369.1**	1 unit(s)	~~42,55~~	**34,00**
500	86	181	GL 45	**A370.1**	1 unit(s)	~~54,05~~	**43,20**
750	95	203	GL 45	**PC86.1**	10 unit(s)	~~584,00~~	**467,20**
1,000	101	230	GL 45	**A371.1**	1 unit(s)	~~66,45~~	**53,15**
2,000	136	265	GL 45	**A372.1**	1 unit(s)	~~104,55~~	**83,60**
3,500	160	295	GL 45	**PC87.1**	1 unit(s)	~~220,00~~	**176,00**
5,000	182	335	GL 45	**A373.1**	1 unit(s)	~~299,00~~	**239,20**
10,000	227	415	GL 45	**A374.1**	1 unit(s)	~~481,00~~	**384,80**

Without pouring ring and screw cap

Vol. (ml)	Ø ext. (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	€	€
20,000	288	510	GL 45	**A375.1**	1 unit(s)	~~845,00~~	**676,00**



-20 %

Autoclavable

Tamper-evident caps

DWK Life Sciences. Material: PP. Autoclavable: yes.
For laboratory bottles with GL 45 DIN thread. Autoclavable up to +140 °C steam.

Version	Thread	Art. No.	Pack Qty.	€	€
with lip seal, red tamper-evident ring	GL 45	**AH99.1**	10 unit(s)	~~24,85~~	**19,85**
with PTFE coated silicone seal, yellow tamper-evident ring	GL 45	**KE51.1**	10 unit(s)	~~75,90~~	**60,70**





-20 %

Desiccators SICCO

Bohlender. Material: PMMA, aluminium.

Panels made of transparent PMMA, frame made of reinforced aluminium. All-round rubber door seal with magnetic strip.
For drying and safe storage of moisture-sensitive products (e.g. reference solutions, retained samples, metallographic samples, tobacco leaves, DNA samples, etc.). Integrated digital thermal hygrometer with min./max. function for monitoring current temperature and moisture levels.

Delivery incl. four (or two with Star Horizontal desiccator) adjustable intermediate shelves made of PMMA and 1 bottom pan for desiccants.

Technical specifications:

Art. No.	CT04.1	NX18.1
Type	Star	Star Horizontal
Total volume	45 l	
Usable volume	40 l	42 l
Inner width	260 mm	480 mm
Inner depth	330 mm	
Inner height	480 mm	260 mm
Temperature stability from	-20 °C	
Temperature stability up to	+70 °C	
Max. number of shelves	26 unit(s)	13 unit(s)
Max. all-over load per shelf	10 kg	1.5 kg
Total all-over load	30 kg	
Weight	7 kg	

Type	Outer width (mm)	Outer depth (mm)	Outer height (mm)	Art. No.	Pack Qty.	€	€
Star	310	375	525	**CT04.1**	1 unit(s)	~~995,45~~	**796,35**
Star Horizontal	525	375	340	**NX18.1**	1 unit(s)	~~1.333,00~~	**1.066,40**



-25 % Autoclavable DWK LIFE SCIENCES

Screw top bottles DURAN® YOUTILITY

DWK Life Sciences. Material: DURAN® glass. Autoclavable: yes.

- Specially shaped recessed grips for easier and safer handling
- Slim bottle shape allows more space-saving use
- Scale indicating total volume
- Predefined labelling space
- Ergonomically shaped screw cap with leak-proof sealing system for optimal handling, even by users with small or gloved hands
- Optimised thread (compatible with DIN GL 45 closures) for faster bottle opening and closing
- With retrace code

Delivery incl. optimised screw cap and PP pouring ring.

Clear glass

Vol. (ml)	Ø ext. (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	€	€
125	55	124	GL 45	**AEY2.1**	4 unit(s)	~~39,25~~	**29,40**
250	66	158	GL 45	**AEY3.1**	4 unit(s)	~~42,25~~	**31,65**
500	78	193	GL 45	**AEY4.1**	4 unit(s)	~~51,95~~	**38,95**
1,000	93	253	GL 45	**AEY5.1**	4 unit(s)	~~73,50~~	**55,10**

Brown glass

For storing light-sensitive substances. Meets the requirements of USP <660> and Eur. Ph. 3.2.1. with regard to light protection. DURAN® characteristic inside the bottle remain unaltered as only the exterior is coated; long useful life and brown colouring has good chemical resistance. Light protection: absorption in short wave range up to 500 nm.

Vol. (ml)	Ø ext. (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	€	€
125	55	124	GL 45	**CCT9.1**	4 unit(s)	~~122,10~~	**91,55**
250	66	158	GL 45	**CCX0.1**	4 unit(s)	~~168,00~~	**126,00**
500	78	193	GL 45	**CCX1.1**	4 unit(s)	~~220,00~~	**165,00**
1,000	93	253	GL 45	**CCX2.1**	4 unit(s)	~~271,00~~	**203,25**



-20 % DWK LIFE SCIENCES

NMR tubes

DWK Life Sciences.

Tubes do not contain any paramagnetic substances. Excellent straightness, uniform wall thickness, good diameter regularity. With retrace code.

Technical specifications:

Art. No.	EP54.1	KNL0.1	EP55.1
Version	Economic	Professional	Scientific
Length	178 mm		
Ø ext.	4,95 ±0,05 mm	4,97 ± 0,025 mm	4,97 ±0,013 mm
Ø Internal	4,20 ±0,05 mm	4,20 ± 0,025 mm	4,20 ±0,025 mm
Straightness	±0,07 mm	±0,03 mm	0,013 mm
MHz	300	400	500

Delivery incl. sealing caps.

Economic

Material: borosilicate glass 3.3. For single use in fully automated sample changers or for high throughput.

Version	Art. No.	Pack Qty.	€	€
Economic	**EP54.1**	250 unit(s)	~~740,00~~	**592,00**

Scientific

Material: borosilicate glass 3.3. For multiple use. Tubes can be cleaned and sterilised. Optimum substance utilisation in highest resolution range.

Version	Art. No.	Pack Qty.	€	€
Scientific	**EP55.1**	5 unit(s)	~~98,75~~	**79,00**

Professional

Material: borosilicate glass 3.3. For use in industry and research in the medium and high-resolution range.

Version	Art. No.	Pack Qty.	€	€
Professional	**KNL0.1**	250 unit(s)	~~2.744,00~~	**2.195,20**



Pure and ultrapure water system OmniaTap xs[basic] 5 series

stakpure.

The OmniaTap xs[basic] 5 device series represents the ideal system for providing small quantities of pure and ultrapure water for analytical and life sciences laboratory applications, with a compact design optimised for resource conservation. These devices can be connected directly to the drinking water supply. The OptiFill[basic] dispensing and monitoring unit, supplied as standard, provides a supply of type I ultrapure water and enables convenient and precise filling of laboratory vessels. An optionally available pump station can be used to supply downstream devices with pure water (ASTM Type II) from the pure water storage tank.

- Usable with water from a drinking water supply
- OptiFill[basic] ergonomic, flexible dispensing and monitoring unit with graphic display
- Two language settings available: DE, EN
- Dispenser has a swivel range of up to 170°
- Ultrapure water withdrawal at the touch of a button
- Display of all operating and performance parameters in real time
- Setting options for conductivity display in MΩ x cm or µS/cm
- Compact design
- Space-saving mounting on a laboratory bench or optionally on a wall
- Password access
- Leak sensor
- Integrated pressure reducer
- Automatic voltage adjustment
- Ready to use, ready to connect, incl. filter cartridges

Technical specifications:

Art. No.	38TN.1	38TP.1
Vol.	7 l	
Conductivity of high-purity water, type I	0.055 µS/cm	
Conductivity of pure water, type II	0.067–0.1 µS/cm	
Resistance of high-purity water, type I	18.2 MΩ·cm	
Resistance of pure water, type II	15–10 MΩ·m	
Withdrawal capacity of high-purity water, type I	≤2 l/min	
Withdrawal capacity of pure water, type II	5 l/h	
Bacteria content of high-purity water, type I	<0,01 KbE/ml	
TOC value of high-purity water, type I	<10 ppb	<5 ppb
Particle content of high-purity water, type I	<1/ml	
Width	253 mm	
Depth	435 mm	
Height	530 mm	
Ambient temperature	2–35 °C	
Connection	R ¾″	
Mains connection	90–240 V, 50/60 Hz	

Note: the specified TOC values may vary depending on the quality of the feed water. The 0.2 µm sterile filter capsule is needed to meet the requirements for particle and bacteria content.

Feed water requirements: drinking water acc. to DIN 2000	
Feed water temperature (°C)	+2–35
Feed water pressure (bar)	0.5–6
Inlet conductivity (µS/cm)	<2000
Silt density index (SDI)	<10
Dissolved CO2 (ppm)	<30
Free chlorine (ppm)	<3
TOC (ppm)	<1
Hardness (as CaCO3)*	<300
Silica (ppm)	<30
pH range	4–10
Note*: for higher values, pretreatment must occur first.	

OmniaTap xs[basic] 5 with 7 l storage tank promotional set
Typical applications: AAS, IC, ICP, buffer and media preparation.

Delivery incl. OmniaTap xs[basic] 5 ultrapure water system with integrated 7 l storage tank, RO-cartridge, ultrapure water cartridge, sterile filter capsule (0.2 µm), PE hose Ø 8 mm (L 2.5 m), PE hose Ø 8 mm (L 2.5 m) incl. inlet protection filter and water connection adapter R ¾″, sterile overflow and sterile breather filter.
Also incl. free replacement cartridge set (RO cartridge and ultrapure water cartridge).

Designation	Art. No.	Pack Qty.	€	€
OmniaTap xs[basic] 5 promotional set	**38TN.1**	1 unit(s)	~~5.514,75~~	**4.411,80**

OmniaTap xs[basic] 5 UV with 7 l storage tank promotional set
Typical applications: ultratrace analysis, ICP-MS, HPLC, TOC analysis.

Delivery incl. OmniaTap xs[basic] 5 UV ultrapure water system with integrated 7 l storage tank, RO-cartridge, ultrapure water cartridge, UV lamp, sterile filter capsule (0.2 µm), PE hose Ø 8 mm (L 2.5 m), PE hose Ø 8 mm (L 2.5 m) incl. inlet protection filter and water connection adapter R ¾″, sterile overflow and sterile breather filter.
Also incl. free replacement cartridge set (RO cartridge and ultrapure water cartridge).

Designation	Art. No.	Pack Qty.	€	€
OmniaTap xs[basic] 5 UV promotional set	**38TP.1**	1 unit(s)	~~6.396,25~~	**5.117,00**

-10 %

Temperature measuring device testo 925

Testo.

Robust, compact hand-held measuring device for simple, fast and precise temperature measurement.



Characteristics of the unit:

- Wide range of applications due to large measuring range
- Smart support via app with practical functions: configuration of the device, graphical display of the measurement value progression, storage of the measured data, management of the measuring points, documentation on site, sending of the report by e-mail
- Audible alarm when limits are exceeded

Properties of the sensor:

- Thermocouple, flexible, sheathed with glass silk
- Measuring range: -50 to +400 °C
- Accuracy: class 2 (acc. to EN 60584-1)
- Response time: 5 s
- Dimensions: length 800 mm, Ø 1.5 mm

Technical specifications:

Art. No.	20XP.1
Type	testo 925
Version	Temperature measuring device
Parameters	temperature
Temperature measuring range	-50 to +1000 °C
Temperature resolution	0.1 °C (-50 to +499.9 °C), 1 °C (outside)
Temperature accuracy	± (0.5 °C + 0.3% of the measurement value)
Temperature sensor	type K thermoelement
Connection	miniature thermoelement
Min./max. function	yes
Operating temperature	-20 to +50 °C
L x W x H	135 x 60 x 28 mm
Weight	188 g
Power supply	3 x 1.5 V AA batteries

Delivery incl. type K temperature gauge thermoelement, transport bag, calibration protocol and batteries.

Version	Art. No.	Pack Qty.	€	€
Temperature measuring device	**20XP.1**	1 unit(s)	~~129,00~~	**116,10**

-10 %

Temperature gauge type K with miniature thermoelement connection Testo

Testo.

Technical specifications:

Art. No.	EH79.1	EH78.1	EH82.1	EH77.1	EH80.1	EH81.1
Parameters	temperature					
Temperature sensor	TE type K					
Temperature measuring range	-60 to +400 °C		-200 to +1000 °C	-60 to +1000 °C	-60 to +400 °C	-60 to +300 °C
Temperature accuracy	Class 2		Class 1		Class 2	
Sensor: Ø x L	4 x 125 mm	5 x 114 mm	1.5 x 500 mm	1.5 x 300 mm	5 x 115 mm	
Connection	miniature thermoelement					
Cable length	1.2 m			1.5 m	1.2 m	

Food probes
Material: stainless steel. Sharp, robust. Waterproof (IP 65).

Delivery incl. handle and connection cable.

Version	Art. No.	Pack Qty.	€	€
-60 to +400 °C	**EH79.1**	1 unit(s)	~~100,00~~	**89,95**

Surface probe for uneven surfaces
With spring thermoelement ribbon (measuring tip: Ø 12 mm). Fastreacting and waterproof.

Delivery incl. handle and connection cable.

Version	Art. No.	Pack Qty.	€	€
-60 to +300 °C	**EH81.1**	1 unit(s)	~~148,00~~	**133,20**

Surface probe for flat surfaces
Widened measurement tip (Ø 6 mm). Waterproof.

Delivery incl. handle and connection cable.

Version	Art. No.	Pack Qty.	€	€
-60 to +400 °C	**EH80.1**	1 unit(s)	~~74,00~~	**66,60**

Immersion/penetration probe
With bevelled tip. Waterproof.

Delivery incl. handle and connection cable.

Version	Art. No.	Pack Qty.	€	€
-60 to +400 °C	**EH78.1**	1 unit(s)	~~54,00~~	**48,60**

Immersion sensors
Flexible. Precise and fast. Waterproof.

Delivery incl. handle and connection cable.

Version	Art. No.	Pack Qty.	€	€
-60 to +1000 °C	**EH77.1**	1 unit(s)	~~115,00~~	**103,50**

Immersion measuring tip
Filament-like measuring tip, pliable.

Delivery without handle and connection cable.

Version	Art. No.	Pack Qty.	€	€
-200 to +1000 °C	**EH82.1**	1 unit(s)	~~37,65~~	**33,85**



-20 %

Test strips QUANTOFIX®

MACHEREY-NAGEL

For semi-quantitive determination of various substances. The test strips consist of a 0.2 mm-thick plastic strip with testing paper affixed to the lower end. After the test strip has been moistened, the colouration that appears is compared to a colour scale on the side of the can. The concentration value can be read or a concentration range can be estimated. Dimensions: W 6 x L 95 mm.

Verification of	Gradation	Art. No.	Pack Qty.	€	€
Aluminium Al^{3+}	0-5-20-50-200-500 mg/l	**L865.1**	100 unit(s)	~~56,30~~	**45,00**
Ammonium NH_4^+	0-10-25-50-100-200-400 mg/l	**H920.1**	100 unit(s)	~~57,50~~	**46,00**
Arsenic $AS^{3+/5+}$	0-0,005-0,01-0,025-0,05-0,1-0,25-0,5 mg/l	**1Y08.1**	100 unit(s)	~~211,00~~	**168,80**
Ascorbic acid $C_6H_8O_6$	0-50-100-200-300-500-1000-2000 mg/l	**LT42.1**	100 unit(s)	~~38,00~~	**30,40**
Benzalkonium chloride	0-10-25-50-100-250-500-1000 mg/l	**HNY9.1**	100 unit(s)	~~33,20~~	**26,55**
Carbonate hardness CO_3^{2-}	0-3-6-10-15-20 mg/l	**L863.1**	100 unit(s)	~~34,70~~	**27,75**
Chloride Cl^-	0-500-1000-1500-2000 ≥3000 mg/l	**H922.1**	100 unit(s)	~~41,20~~	**32,95**
Chlorine Cl_2	0-25-50-100-250-500 mg/l	**1EL0.1**	100 unit(s)	~~33,20~~	**26,55**
	0-1-3-10-30-100 mg/l	**H921.1**	100 unit(s)	~~68,80~~	**55,00**
Chlorine sensitive Cl_2	0-0,1-0,5-1-3-10 mg/l	**HPA0.1**	100 unit(s)	~~33,10~~	**26,45**
Copper Cu^+/Cu^{2+}	0-10-30-100-300 mg/l	**L831.1**	100 unit(s)	~~28,90~~	**23,10**
Cyanide CN^-	0-1-3-10-30 mg/l	**L864.1**	100 unit(s)	~~68,40~~	**54,70**
EDTA	0-100-200-300-400 mg/l	**LT47.1**	100 unit(s)	~~34,20~~	**27,35**
Formaldehyde HCHO	0-10-20-40-60-100-200 mg/l	**HPA1.1**	100 unit(s)	~~59,90~~	**47,90**
Fructose/glucose	0-55-100-250-400-600-800 mg/l	**1Y09.1**	100 unit(s)	~~205,00~~	**164,00**
Glucose	0-50-100-250-500-1000-2000 mg/l	**1Y0A.1**	100 unit(s)	~~34,20~~	**27,35**
Iron 100 Fe^{2+}/Fe^{3+}	0-2-5-10-25-50-100 mg/l	**L830.1**	100 unit(s)	~~29,50~~	**23,60**
Molybdenum Mo^{6+}	0-5-20-50-100-250 mg/l	**P921.1**	100 unit(s)	~~76,80~~	**61,40**
Nickel Ni^{2+}	0-10-25-50-100-250-500-1000 mg/l	**LT49.1**	100 unit(s)	~~34,30~~	**27,40**
Nitrate NO_3^- / nitrite NO_2^-	NO_3^-: 0-5-10-25-50-75-100 mg/l NO_2^-: 0-0,5-2-5-10-25-50 mg/l	**HPA2.1**	100 unit(s)	~~41,20~~	**32,95**
Nitrate NO_3^- / nitrite NO_2^-	NO_3^-: 0-10-25-50-100-250-500 mg/l, NO_2^-: 0-1-5-10-20-40-80 mg/l	**C733.1**	100 unit(s)	~~35,70~~	**28,55**
Nitrite NO_2^-	0-1-5-10-20-40-80 mg/l	**C734.1**	100 unit(s)	~~34,50~~	**27,60**
	0-100-300-600-1000-2000-3000 mg/l	**LT43.1**	100 unit(s)	~~34,50~~	**27,60**
Nitrite NO_2^-/pH	NO_2^-: 0-1-5-10-20-40-80 mg/l, pH: 6,0-6,4-6,7-7,0-7,3-7,6-7,9-8,2-8,4-8,6-8,8-9,0-9,3-9,6	**HL20.1**	100 unit(s)	~~42,90~~	**34,30**
Peracetic acid $C_2H_4O_3$	0-5-10-20-30-50 mg/l	**LT44.1**	100 unit(s)	~~41,20~~	**32,95**
	0-50-100-200-300-400-500 mg/l	**LT45.1**	100 unit(s)	~~41,20~~	**32,95**
	0-500-1000-1500-2000 mg/l	**LT46.1**	100 unit(s)	~~44,90~~	**35,90**
Peroxide H_2O_2	0-1-3-10-30-100 mg/l	**C735.1**	100 unit(s)	~~32,30~~	**25,80**
	0-50-150-300-500-800-1000 mg/l	**HPA3.1**	100 unit(s)	~~33,20~~	**26,55**
	0-0,5-2-5-10-25 mg/l	**L829.1**	100 unit(s)	~~32,30~~	**25,80**
Phosphate PO_4^{3-}	0-3-10-25-50-100 mg/l	**H923.1**	100 unit(s)	~~51,70~~	**41,35**
Potassium K^+	0-200-400-700-1000-1500 mg/l	**LT48.1**	100 unit(s)	~~55,20~~	**44,15**
Sulphate SO_4^{2-}	<200->400->800->1200->1600 mg/l	**P922.1**	100 unit(s)	~~36,50~~	**29,20**
Sulphite SO_3^{2-}	0-10-25-50-100-250-500-1000 mg/l	**C736.1**	100 unit(s)	~~34,30~~	**27,40**
Tin Sn^{2+}	0-10-25-50-100-250-500 mg/l	**L866.1**	100 unit(s)	~~50,10~~	**40,05**
Zinc Zn^{2+}	0-2-5-10-25-50-100 mg/l	**HPA4.1**	100 unit(s)	~~51,90~~	**41,50**

For safety information and additional data, see www.carlroth.com



-25 %

Weighing paper ROTILABO®

ROTH SELECTION. Material: paper, nitrogen-free.

Smooth surfaces for optimum sample recovery.

Length (mm)	Width (mm)	Art. No.	Pack Qty.	€	€
76	76	**TP64.1**	500 unit(s)	~~30,40~~	**22,70**
102	102	**TP65.1**	500 unit(s)	~~51,80~~	**38,80**
152	152	**TP66.1**	500 unit(s)	~~75,65~~	**56,70**



-25 %

Weighing boats

ROTH SELECTION. Material: PS, anti-static.

For weighing liquid and solid substances. With spout and flat bottom.
Temperature-stable up to +90 °C.

Vol. (ml)	Length (mm)	Width (mm)	Depth (mm)	Art. No.	Pack Qty.	€	€
20	57	41	8	**A229.1**	250 unit(s)	~~41,55~~	**31,10**
20	57	41	8	**A229.2**	2,000 unit(s)	~~320,35~~	**240,25**
140	133	89	25	**A230.1**	250 unit(s)	~~58,75~~	**44,00**
270	190	120	25	**ATC2.1**	250 unit(s)	~~83,80~~	**62,80**

-30 %

Autoclavable

Spatula disposable plastic

ROTH SELECTION. Material: PP. Autoclavable: yes.

Suitable for use as sample spoon, scraper and stirring rod.
Ideal for weighing, e.g. in PCR vessels, reaction vials and centrifuge tubes. FDA-compliant.
Temperature stability: 0 to +121 °C.



Micro, anti-static
Handle Ø 3.5 mm.

Pic.	Colour	Spoon width (mm)	Spoon length (mm)	Total length (mm)	Pack.	Art. No.	Pack Qty.	€	€
(1)	natural	3.5	10	140	1 x 300	**NL90.1**	300 unit(s)	~~45,85~~	**32,05**

Standard
Handle Ø 7 mm.

Pic.	Colour	Spoon width (mm)	Spoon length (mm)	Total length (mm)	Pack.	Art. No.	Pack Qty.	€	€
(2)	blue	14	25	210	1 x 300	**NL92.1**	300 unit(s)	~~67,60~~	**47,15**
(3)	natural	14	25	210	1 x 300	**NL93.1**	300 unit(s)	~~67,60~~	**47,15**

Sterile
Handle Ø 7 mm.

Pic.	Colour	Spoon width (mm)	Spoon length (mm)	Total length (mm)	Pack.	Art. No.	Pack Qty.	€	€
(3)	natural	14	25	210	10 x 10	**NL94.1**	100 unit(s)	~~209,65~~	**146,70**

Macro
Handle Ø 10 mm.

Pic.	Colour	Spoon width (mm)	Spoon length (mm)	Total length (mm)	Pack.	Art. No.	Pack Qty.	€	€
(4)	green	23.5	42	310	1 x 150	**NL95.1**	150 unit(s)	~~64,00~~	**44,75**

-20 %





Analytical balances HR series

A & D.

Application:

- Percent, counting, animal weighing
- Selectable weight units: g, mg, ct, etc.

Features:

- HR-A model with external calibration
- HR-AZ models with internal calibration
- Backlit LCD display
- Removable, round full-sized draft shield (internal height 198 mm); (W) = incl. draft shield
- The sliding doors of the draft shield tilt back to minimise space requirements
- With RS 232 data port
- Level indicator on the front
- Solid metal housing
- Overload protection
- Four-year warranty

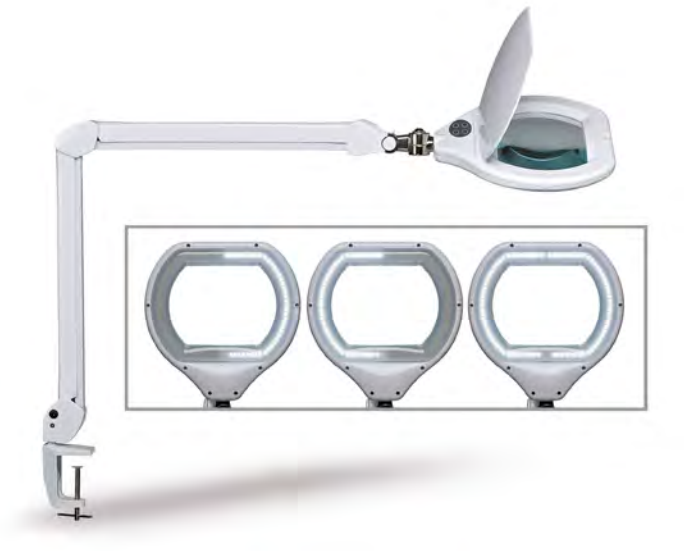
Delivery incl. mains adapter.

Models with external calibration

Type	Weighing range (g)	Readability (g)	Linearity (g)	Reproducibility (g)	Weighing pan (mm)	Art. No.	Pack Qty.	€	€
HR-251A	62/252	0,0001 / 0,001	±0,0003 / 0,001	±0,0001 / 0,001	Ø 90	**CTE2.1**	1 unit(s)	~~1.294,30~~	**1.035,40**
HR-100A	102	0,0001	±0,0002	±0,0001	Ø 90	**CTE3.1**	1 unit(s)	~~1.300,75~~	**1.040,60**
HR-150A	152	0,0001	±0,0002	±0,0001	Ø 90	**CTE4.1**	1 unit(s)	~~1.419,00~~	**1.135,20**
HR-250A	252	0,0001	±0,0003	±0,0002	Ø 90	**CTE5.1**	1 unit(s)	~~1.666,25~~	**1.333,00**

Models with internal calibration

Type	Weighing range (g)	Readability (g)	Linearity (g)	Reproducibility (g)	Weighing pan (mm)	Art. No.	Pack Qty.	€	€
HR-251AZ (W)	62/252	0,0001 / 0,001	±0,0003/0,001	±0,0001/0,001	Ø 90	**CTE6.1**	1 unit(s)	~~1.600,70~~	**1.280,50**
HR-100AZ (W)	102	0,0001	±0,0002	±0,0001	Ø 90	**CTE7.1**	1 unit(s)	~~1.580,25~~	**1.264,20**
HR-150AZ (W)	152	0.0001	±0,0002	±0,0001	Ø 90	**CTE8.1**	1 unit(s)	~~1.655,50~~	**1.324,40**
HR-250AZ (W)	252	0.0001	±0,0003	±0,0002	Ø 90	**CTE9.1**	1 unit(s)	~~1.988,75~~	**1.591,00**



-25 %

Magnifier lamp MAULcrystal

MAUL.

Ideal for precision work in laboratories, workshops and engineering offices.

- Large glass lens (234 cm^2)
- Infinitely dimmable
- With segmented lighting (42 LEDs on the left, 42 LEDs on the right or all 84 LEDs)
- Colour temperature: daylight white
- Ball-and-socket joint allows three-dimensional head rest adjustment
- Stable metal arm in a plastic trim, can be rotated by 360° and tilted
- Arm length: bottom 390 mm, top 440 mm, height in normal working position 420 mm
- Clamp base for clamping widths of up to 63 mm

Technical specifications:

Art. No.	KLX2.1
Type	MAULcrystal
Colour	white
Magnification	1.75x
Dioptres	3 dpt
Stand length	800 mm
Field of view	178 x 132 mm
Light source	LED
Service life	20,000 hours
Performance	18 W
Energy efficiency class	F
Luminosity	2,840 lx
Luminous flux	1,868 lm
Colour temperature	6300 K
Cable length	1.5 m
Mains connection	230 V, 50 Hz

Delivery incl. protective cap.

Version	Art. No.	Pack Qty.	€	€
With clamp base	**KLX2.1**	1 unit(s)	~~311,75~~	**233,80**



-25 %

Microscopy bowl

ROTH SELECTION. Material: soda-lime glass.

With semi-circular indentations, Ø 30 x depth 10 mm.

Delivery incl. cover (colourless, 40 x 40 x 2 mm).

Colour	Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
black	40	40	16	**TK77.1**	1 unit(s)	~~18,60~~	**13,90**
colourless	40	40	16	**TK76.1**	1 unit(s)	~~21,00~~	**15,70**



-20 %

Precision tweezers set ROTILABO® stainless steel SA

Carl ROTH. Material: stainless steel SA (1.4435), case made of plastic, foam insert. Autoclavable: no.

Tweezers autoclavable, case not autoclavable.

Contents:

1 pair of tweezers, straight, type 1
Length 120 mm, thickness of tip 0.10 mm
1 pair of tweezers, straight, type 2A (flat tips)
Length 120 mm, tip thickness 0.1 mm, tip width 1.90 mm
1 pair of tweezers, straight, type 3C
Length 110 mm, thickness of tip 0.12 mm
1 pair of tweezers, straight, type 5
Length 110 mm, thickness of tip 0.07 mm
1 pair of tweezers, bent, type 7
Length 118 mm, thickness of tip 0.09 mm

Not a medical device / Not an IVD product

Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
185	105	12	**1P3T.1**	1 set	~~134,30~~	**107,35**

-30 %



Transmitted light microscopes OBN series

KERN.

Professional line. Professional, fully equipped transmitted light microscope (bright-field) with ergonomic design and unparalleled quality. For translucent, low-contrast, challenging specimens (e.g. living mammalian cells, bacteria, tissues).

- The **professional Köhler illumination** with adjustable field diaphragm and centerable and height-adjustable 1.25 Abbe condenser with adjustable aperture cover enables perfect illumination of the specimen, with no negative flare effects
- The **infinity corrected optics** ensure top-class image quality
- The 5-slot lens revolver is fully equipped with five **high-quality, infinitely corrected PLAN lenses (4x/10x/20x/40x/100x)** with maximum edge definition
- The mechanical cross table ensures fast working and positioning of the specimen. It features a coaxial coarse and fine focus drive fitted on both sides for adjusting the height and focussing on the specimen
- With strong, infinitely dimmable 3 W LED transmitted light illumination

Technical specifications:

Art. No.	1LLH.1	1LLK.1	1LLL.1
Type	OBN 135	OBN 135C825	OBN 135T241
Version	basic	with ODC 825 camera	with ODC 241 tablet
Tube	trinocular		
Total magnification	40x, 100x, 200x, 400x, 1000x		
Magnification type	turret		
Ocular magnification	super wide angle (HWF) 10x		
Lenses	planachromatic		
Lens arrangement	5-way, tilted backwards		
Lens magnification	- 4x / N.A. 0.10, W.D. 12.1 mm - 10x / N.A. 0.25, W.D. 4.64 mm - 20x (spring) / N.A. 0.40, W.D. 2.41 mm - 40x (spring) / N.A. 0.66, W.D. 0.65 mm - 100x (spring, oil) / N.A. 1.25, W.D. 0.19 mm		
Field of view	20 mm		
Dioptre compensation	on both sides		
Angular observation	30°		
Head	can be rotated 360°		
Distance between eyepieces	50–75 mm		
Condenser	Abbe N.A. 1.25 centerable with aperture cover		
Köhler illumination	yes		
Light source	LED		
Type of lighting	transmitted light		
Image focusing	coaxial coarse and fine focus with scale: 2 µm		
Optics	infinite		
Microscope stage	175 x 145 mm area coaxial x/y travel range 78 x 55 holder for two slides		
Power supply	mains-powered		
Mains connection	100–240 V, 50/60 Hz		

Optional accessories (please order separately):

- 60x infinity lens (planachromatic, spring)
- 100x infinity lens (planachromatic, spring) with water immersion
- Darkfield condenser to increase contrast of small, unstained structures
- Polarisation unit for imaging polarised light

(1) OBN 135 trinocular

With trinocular head for mounting a microscope camera on the phototube using C-mount adapter. Please order C-mount adapter separately.

Delivery incl. colour filter (blue, integrated), eyecups and dust cover.

Type	Version	Art. No.	Pack Qty.	€	€
OBN 135	basic	**1LLH.1**	1 unit(s)	~~1.640,00~~	**1.148,00**

(2) OBN 135 set with camera

The adapted ODC 825 microscope camera with USB 2.0 interface enables data transfer to a PC or laptop.
The free KERN VIS software for operating systems Windows XP to Windows 10 enables the live image of the specimen to be transferred to the computer.
The software includes a wide range of functions such as image and video recording, measuring functions and simple documentation.
Connecting to a computer enables images including measurements to be saved and archived directly in the user-specific directory.

Delivery incl. ODC 825 microscope camera, C-mount adapter, colour filter (blue, integrated), eyecups and dust cover.

Type	Version	Art. No.	Pack Qty.	€	€
OBN 135C825	with ODC 825 camera	**1LLK.1**	1 unit(s)	~~2.090,00~~	**1.463,00**

(3) OBN 135 set with tablet

A 2-in-1 solution for easy, convenient and direct microscopic analysis of specimens on the large 9.7″ LCD touchscreen.
No PC workstation or software installation required.
Ideal for students undergoing training, or for demonstration purposes in the laboratory.

Delivery incl. ODC 241 tablet camera, C-mount adapter, colour filter (blue, integrated), eyecups and dust cover.

Type	Version	Art. No.	Pack Qty.	€	€
OBN 135T241	with ODC 241 tablet	**1LLL.1**	1 unit(s)	~~2.690,00~~	**1.883,00**

-20 %

DWK LIFE SCIENCES

Coverslips thickness 1

DWK Life Sciences. Material: borosilicate glass.

- Thickness no. 1 (0.13 to 0.16 mm)
- Virtually free from surface defects, inclusions, streaks and bubbles and unwanted striations thanks to high optical homogeneity
- Highly transparent and colourless, preventing colour distortions
- Absorption-free within the visible spectrum
- Very consistent wettability
- High planarity

Not a medical device / Not an IVD product



L x W (mm)	Pack.	Art. No.	Pack Qty.	€	€
18 x 18	5 x 200	**1P6Y.1**	1,000 unit(s)	~~21,35~~	**17,05**
22 x 22	5 x 200	**1P70.1**	1,000 unit(s)	~~53,30~~	**42,60**
24 x 40	10 x 100	**1P71.1**	1,000 unit(s)	~~62,70~~	**50,15**
24 x 50	10 x 100	**1P72.1**	1,000 unit(s)	~~68,30~~	**54,60**
24 x 60	10 x 100	**1P73.1**	1,000 unit(s)	~~78,95~~	**63,15**

-25 %

Autoclavable



Cover slip tweezers

Hammacher. Material: stainless steel Wironit. Autoclavable: yes.

Not a medical device / Not an IVD product



(1) Straight

Tip shape	Tip width (mm)	Length (mm)	Art. No.	Pack Qty.	€	€
flat	5	145	**EXC6.1**	1 unit(s)	~~38,30~~	**28,70**

(2) Curved

Tip shape	Tip width (mm)	Length (mm)	Art. No.	Pack Qty.	€	€
flat	5	120	**EXC7.1**	1 unit(s)	~~39,25~~	**29,40**



-20 %

Dissecting sets for anatomy ROTILABO®

Carl ROTH.

In zip-up case, with elastic loops to hold instruments.

Contents of small dissecting set:
1 pair of dissecting scissors for microscopy, straight, L 100 mm
1 scalpel, pointed, L 125 mm, blade 25 mm
1 tweezers, pointed, straight, L 105 mm
1 tweezers, blunt, straight, L 115 mm
1 tweezers made of spring steel, L 100 mm
1 lancet, straight, with plastic handle, L 140 mm

Not a medical device / Not an IVD product

Small

Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
175	130	30	**ENY2.1**	1 unit(s)	~~46,20~~	**36,90**

Large

Contents of large dissecting set additionally:
1 lancet with plastic handle, L 140 mm
1 pair of dissecting scissors for microscopy, curved, L 100 mm
1 pair of scissors, blunt tip, L 130 mm

Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
175	130	30	**ENY3.1**	1 unit(s)	~~66,95~~	**53,50**



-25 % NEW / +

Microscope slides ROTILABO®

Carl ROTH. Material: soda-lime glass.
Basic design for standard applications and routine microscopy.

Technical specifications:

Art. No.	3KY0.1	3KY1.1
Standards	DIN ISO 8037-1	
Edge finishing	Cut	

Optionally with double-sided frosted edge, width 20 mm.

Not a medical device / Not an IVD product

Version	Art. No.	Pack Qty.	€	€
with frosted edge	**3KY1.1**	50 unit(s)	~~4,60~~	**3,35**
without frosted edge	**3KY0.1**	50 unit(s)	~~3,95~~	**2,90**

-20 % Autoclavable

Bulb pipettes BLAUBRAND® 1 mark class AS

BRAND. Material: AR-GLAS®. Autoclavable: yes.

Ring marking and inscription in high-contrast blue enamel paint.

- Calibrated to 'Ex'
- Waiting time of 5 s
- DE-M approved

Total length ±10 mm (HYE5.1 ±15 mm).
Delivery incl. batch certificate.



Vol. (ml)	Limit of error (ml)	Total length (mm)	Standards	Version	Art. No.	Pack Qty.	€	€
0.5	±0,005	300	DIN EN ISO 648	blue graduation	**HYA7.1**	12 unit(s)	~~98,70~~	**69,05**
1	±0,008	300	DIN EN ISO 648	blue graduation	**HYA8.1**	12 unit(s)	~~82,00~~	**57,35**
2	±0,010	330	DIN EN ISO 648	blue graduation	**HYA9.1**	12 unit(s)	~~82,00~~	**57,35**
2.5	±0,010	330	DIN EN ISO 648	blue graduation	**HYC0.1**	6 unit(s)	~~55,35~~	**38,70**
3	±0,010	330	DIN EN ISO 648	blue graduation	**HYC1.1**	6 unit(s)	~~46,45~~	**32,45**
4	±0,015	400	DIN EN ISO 648	blue graduation	**HYC2.1**	6 unit(s)	~~53,55~~	**37,45**
5	±0,015	400	DIN EN ISO 648	blue graduation	**HYC3.1**	6 unit(s)	~~52,70~~	**36,85**
6	±0,015	400	DIN EN ISO 648	blue graduation	**HYC4.1**	6 unit(s)	~~68,70~~	**48,05**
7	±0,015	400	DIN EN ISO 648	blue graduation	**HYC5.1**	6 unit(s)	~~68,70~~	**48,05**
8	±0,02	440	DIN EN ISO 648	blue graduation	**HYC6.1**	6 unit(s)	~~68,70~~	**48,05**
9	±0,02	440	DIN EN ISO 648	blue graduation	**HYC7.1**	6 unit(s)	~~68,70~~	**48,05**
10	±0,02	440	DIN EN ISO 648	blue graduation	**HYC8.1**	6 unit(s)	~~54,40~~	**38,05**
15	±0,03	510	DIN EN ISO 648	blue graduation	**HYC9.1**	6 unit(s)	~~68,70~~	**48,05**
20	±0,03	510	DIN EN ISO 648	blue graduation	**HYE0.1**	6 unit(s)	~~69,50~~	**48,60**
25	±0,03	520	DIN EN ISO 648	blue graduation	**HYE1.1**	6 unit(s)	~~70,45~~	**49,25**
30	±0,03	520	DIN EN ISO 648	blue graduation	**HYE2.1**	6 unit(s)	~~80,90~~	**56,60**
40	±0,05	540	DIN EN ISO 648	blue graduation	**HYE3.1**	6 unit(s)	~~101,10~~	**70,70**
50	±0,05	540	DIN EN ISO 648	blue graduation	**HYE4.1**	6 unit(s)	~~93,20~~	**65,20**
100	±0,08	585	DIN EN ISO 648	blue graduation	**HYE5.1**	6 unit(s)	~~127,90~~	**89,45**

-25 % Autoclavable

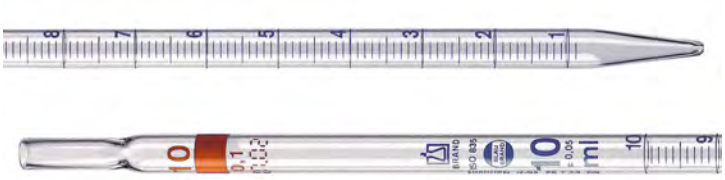
Graduated pipettes BLAUBRAND® type 2 class AS

BRAND. Material: AR-GLAS®. Autoclavable: yes.

Graduation and inscriptions in high-contrast blue enamel paint.

- Blue graduated
- Upper nominal capacity
- Calibrated to 'Ex'
- Total delivery
- DE-M approved*

Total length ±10 mm. *HXK9.1 not DE-M marked.



Vol. (ml)	Graduation (ml)	Limit of error (ml)	Total length (mm)	Cotton stopper end	Standards	Version	Art. No.	Pack Qty.	€	€
0.5	0,01	±0,006	360	no	DIN EN ISO 835	blue graduation	**HXK5.1**	12 unit(s)	~~102,50~~	**76,85**
1	0,01	±0,007	360	yes	DIN EN ISO 835	blue graduation	**HXK7.1**	12 unit(s)	~~106,75~~	**80,00**
2	0,02	±0,010	360	no	DIN EN ISO 835	blue graduation	**HXL0.1**	12 unit(s)	~~81,70~~	**61,25**
2	0,02	±0,010	360	yes	DIN EN ISO 835	blue graduation	**HXL1.1**	12 unit(s)	~~106,75~~	**80,00**
5	0,05	±0,030	360	yes	DIN EN ISO 835	blue graduation	**HXL3.1**	12 unit(s)	~~97,40~~	**73,05**
10	0,1	±0,05	360	yes	DIN EN ISO 835	blue graduation	**HXL5.1**	12 unit(s)	~~97,40~~	**73,05**
20	0,1	±0,1	360	yes	DIN EN ISO 835	blue graduation	**HXL6.1**	6 unit(s)	~~98,85~~	**74,10**
25	0,1	±0,1	450	yes	DIN EN ISO 835	blue graduation	**HXL7.1**	6 unit(s)	~~98,85~~	**74,10**
50	0,5	±0,2	450	yes	in addition	blue graduation	**HXL8.1**	6 unit(s)	~~160,80~~	**120,55**



Battery-powered pipette controller accu-jet® S

BRAND.

Easy and precise pipetting of large and small volumes: with just one hand you have sensitive control of the pipetting speed, from fast, powerful absorption with exact meniscus configuration to precise discharge of even small volumes. Thanks to precise control, the exact volume required will always be achieved, even when using graduated and volumetric pipettes made of glass/plastic. Without having to move your hand, the motor speed can be regulated between particularly powerful and particularly sensitive operation and to switch between free flow (with “Ex”-calibrated pipettes) or rapid blowing of the liquid with motor power.

- Precise volume adjustment thanks to accurate control
- Integrated parking position for rear storage with attached pipette
- Continuously-adjustable control of the pipetting speed
- Fast: 25 ml pipette filled in 3 s at max. motor speed
- 8 hours of continuous pipetting without recharging (with 10 ml pipette)
- Pipetting is possible during the loading cycle
- Two-tone battery charge indicator, intelligent battery charging electronics
- Ergonomic handle and balanced weight distribution
- Robust design, straightforward maintenance and repair
- Protection against ingress of liquid through the membrane filter and additional safety valve
- Valve system directs liquid vapour straight out of the device, reduces risk of corrosion

Sustainability

The packaging is made from more than 90% recycled material. Production uses electricity from renewable sources.

-48 %

With mains adapter

Delivery incl. universal mains adapter (100–240 V/50–60 Hz), nickel-metal hydride battery, wall bracket and 2 replacement membrane filters 0.2 µm, sterile.

Version	Suitable for	Colour	Art. No.	Pack Qty.	€	€
Battery-powered	graduated/volumetric pipettes 0.1–200 ml, serological pipettes	berry	**1LH0.1**	1 unit(s)	~~536,45~~	**278,90**
Battery-powered	graduated/volumetric pipettes 0.1–200 ml, serological pipettes	petrol	**1LH1.1**	1 unit(s)	~~536,45~~	**278,90**
Battery-powered	graduated/volumetric pipettes 0.1–200 ml, serological pipettes	amethyst	**1LH2.1**	1 unit(s)	~~536,45~~	**278,90**
Battery-powered	graduated/volumetric pipettes 0.1–200 ml, serological pipettes	anthracite	**1LH3.1**	1 unit(s)	~~536,45~~	**278,90**

-49 %

Without mains adapter

Delivery without universal mains adapter, incl. nickel-metal hydride battery, wall bracket and 2 replacement membrane filters 0.2 µm, sterile.

Version	Suitable for	Colour	Art. No.	Pack Qty.	€	€
Battery-powered	graduated/volumetric pipettes 0.1–200 ml, serological pipettes	berry	**1LH4.1**	1 unit(s)	~~503,10~~	**256,55**
Battery-powered	graduated/volumetric pipettes 0.1–200 ml, serological pipettes	petrol	**1LH5.1**	1 unit(s)	~~503,10~~	**256,55**
Battery-powered	graduated/volumetric pipettes 0.1–200 ml, serological pipettes	amethyst	**1LH6.1**	1 unit(s)	~~503,10~~	**256,55**
Battery-powered	graduated/volumetric pipettes 0.1–200 ml, serological pipettes	anthracite	**1LH7.1**	1 unit(s)	~~503,10~~	**256,55**

-20 %

Dispensers Piccolo

Vitlab.

With two fixed volumes. Ideally suited to dispensing long series. Manual push-button delivery, automatic refilling. Good chemical resistance thanks to high-quality materials, but not suitable for vapourous media.

- Precise media delivery
- Freely rotatable discharge tube on the bottle
- Choice of 2 fixed volumes
- Valve block with GL 28 thread

Parts in contact with media:
PTFE, FEP, ETFE, PFA, borosilicate glass, platinum-iridium.



Technical specifications:

Art. No.	Y698.1	Y699.1	Y697.1
Correctness	1,0%		2,0 %
Variation coefficient	0,2%		0,4 %

Volume (µl)	Art. No.	Pack Qty.	€	€
100 / 250	**Y697.1**	1 unit(s)	~~301,00~~	**240,80**
500 / 1000	**Y698.1**	1 unit(s)	~~301,00~~	**240,80**
1000 / 2000	**Y699.1**	1 unit(s)	~~301,00~~	**240,80**

-25 %

Digital burettes

Vitlab.

Pulse-free dispensing. Continuous delivery of desired volume without creating a reserve. Easy and fatigue-free operation of the control elements. Volume dispensed per turn of the handwheels: 2.5 ml (continuous E) or 5.0 ml (continuous RS).

Properties:

- Specially developed return dosing system for ventilation without loss of reagent
- Power supply with longlife, easy-to-change 1.5 V AAA batteries and charge indicator
- Electronics removable as a unit, maintenance friendly modular design
- Dispensing range 0.01 ml to 999.9 ml
- Discharge tube rotatable through 360°
- Vertically and horizontally adjustable discharge tube
- Digital burette with safety valve and standard GL 45 thread
- Telescopic suction tube for different bottle sizes from 200 to 350 mm
- Simple calibration program
- Connection for drying tube
- The defined margins of error according to DIN EN ISO 8655-3 are not exceeded even when dispensing partial volumes
- Not suitable for crystallising media

Parts in contact with media:
borosilicate glass 3.3., FEP, ETFE, PFA, PTFE, platinum-iridium.

Permissible conditions of use:
temperature +15 to +40 °C, vapour pressure up to max. 500 mbar, density 2.2 g/cm^3.



Technical specifications:

Art. No.	AA89.1	AA90.1
Nominal volume	25 ml	50 ml
Correctness	±50 µl	±100 µl
Variation coefficient	±25 µl	±50 µl
Operating temperature	+15 to +40 °C	
Adapter	GL 32, GL 38, S 40	
Suction tube length	200–350 mm	
Power supply	2 x AAA 1.5 V batteries	

Delivery incl. three PP thread adapters, quality certificate with test values, one telescopic filling tube, one discharge tube and batteries.

Type	Volume (ml)	Art. No.	Pack Qty.	€	€
Continuous E	2,5	**AA89.1**	1 unit(s)	~~983,65~~	**737,70**
Continuous RS	5,0	**AA90.1**	1 unit(s)	~~983,65~~	**737,70**



-25 %

Lab jack

Bochem. Material: aluminium, powder-coated, scissor construction made of 18/10 stainless steel.

Ergonomic knob, rounded.

Type 1
With simple setting wheel, manual operation.

L x W (mm)	Height-adjustability (mm)	Moveable load (kg)	Static load (kg)	Standards	Art. No.	Pack Qty.	€	€
100 x 100	55–120	5	10	DIN 12897	**K578.1**	1 unit(s)	~~220,40~~	**165,25**
160 x 130	60–275	7	30	DIN 12897	**K579.1**	1 unit(s)	~~176,30~~	**132,20**
200 x 200	60–275	7	30	DIN 12897	**K580.1**	1 unit(s)	~~194,60~~	**145,90**
240 x 240	60–275	7	30	DIN 12897	**K581.1**	1 unit(s)	~~230,05~~	**172,50**

Type 2
It is recommended to use a ratchet, which is attached to a special adjusting wheel.

Delivery incl. ratchet.

L x W (mm)	Height-adjustability (mm)	Moveable load (kg)	Static load (kg)	Standards	Art. No.	Pack Qty.	€	€
300 x 300	90–470	12	60	DIN 12897	**0483.1**	1 unit(s)	~~623,50~~	**467,60**
400 x 400	90–470	15	60	DIN 12897	**K583.1**	1 unit(s)	~~907,30~~	**680,45**



-20 %

Made in Germany

Office chairs Basic

ROTH SELECTION.

Acc. to DIN 68877. Ideal for production and laboratory work. Ergonomically shaped backrest and seat with integrated lumbar support, pelvic support and rounded seat front edge.

- Permanent-contact backrest with height adjustment
- Continuous seat-height adjustment by safety gas spring with protective cover
- Surface is washable and can be disinfected
- GS-certified

Delivered unassembled.

Sustainability

Recyclable due to the absence of composite materials.
Durable (10-year guarantee). Awarded the “TÜV Rheinland certified – tested for emissions and harmful substances” test certification.

PU foam, seat height 440–620 mm

Material: PU (seat and backrest), plastic base. Load-dependent dual casters with brakes for hard floor surfaces. Won’t roll away in unloaded condition. Resistant to sharp objects. Height backrest: 380 mm. Seat: W 440 x D 410 mm. Base Ø: 640 mm.

Version	Max. load (kg)	Art. No.	Pack Qty.	€	€
Rollers	120	**20A8.1**	1 unit(s)	~~264,45~~	**211,55**

PU foam, seat height 620–890 mm, with foot ring

Material: PU (seat and backrest), plastic base. Soft seat-stop rollers for hard floors. Fixed when loaded, rollable when unloaded. Chrome-plated, height-adjustable foot ring. Resistant to sharp objects. Height backrest: 380 mm. Seat: W 440 x D 410 mm. Base Ø: 680 mm.

Version	Max. load (kg)	Art. No.	Pack Qty.	€	€
Seat-stop rollers	120	**20A9.1**	1 unit(s)	~~344,00~~	**275,20**

Imitation leather, seat height 440–620 mm

Material: imitation leather (seat and backrest), plastic base. Load-dependent dual casters with brakes for hard floor surfaces. Won’t roll away in unloaded condition. Height backrest: 460 mm. Seat: W 460 x D 470 mm. Base Ø: 640 mm.

Version	Max. load (kg)	Art. No.	Pack Qty.	€	€
Rollers	120	**20AA.1**	1 unit(s)	~~264,45~~	**211,55**

Imitation leather, seat height 620–890 mm, with foot ring

Material: imitation leather (seat and backrest), plastic base. Soft seat-stop rollers for hard floors. Fixed when loaded, rollable when unloaded. Chrome-plated, height-adjustable foot ring. Height backrest: 460 mm. Seat: W 460 x D 470 mm. Base Ø: 680 mm.

Version	Max. load (kg)	Art. No.	Pack Qty.	€	€
Seat-stop rollers	120	**20AC.1**	1 unit(s)	~~344,00~~	**275,20**



-25 %

Made in Germany

Laboratory stool

bimos. Material: imitation leather (seat), aluminium (base).

Fire-protection-tested according to EN 1021-1 and -2. GS-certified. Suitable for use in laboratories with safety classes S1 to S3. Extra strong and soft 60 mm comfortable cushioning. Disinfectant-resistant and washable. Seamless and form-fitting. Blue ring below the seat surface protects the cushioning. Base Ø: 540 mm. Load-dependent castors with brakes (Ø 65 mm), smooth-running. Won't roll away in unloaded condition.

Sustainability

Recyclable due to the absence of composite materials.
Durable (10-year guarantee). Awarded the “TÜV Rheinland certified – tested for emissions and harmful substances” test certification.

Imitation leather, seat height 440–620 mm

Version	Seat Ø (mm)	Max. load (kg)	Art. No.	Pack Qty.	€	€
Rollers	400	120	**3KKX.1**	1 unit(s)	~~265,55~~	**199,10**



-25 %

Made in Germany

Saddle stool

bimos. Material: imitation leather (seat), aluminium (base).

GS-certified. Comfortable saddle seat with 3-zone cushioning encourages an ergonomic sitting posture. Disinfectant-resistant and washable. Seamless and form-fitting. Load-dependent castors with brakes (Ø 65 mm), smooth-running. Won’t roll away in unloaded condition. Seat dimensions: W 350 mm x D 415 mm. Base Ø 540 mm.

Delivered unassembled.

Sustainability

Recyclable due to the absence of composite materials.
Durable (10-year guarantee). Awarded the “TÜV Rheinland certified – tested for emissions and harmful substances” test certification.

Imitation leather, seat height 440–620 mm

Version	Max. load (kg)	Art. No.	Pack Qty.	€	€
Rollers	120	**3KKP.1**	1 unit(s)	~~406,35~~	**304,75**



-20 %

++

Shelf trolleys

ROTH SELECTION. Material: stainless steel 18/10.

Price plus transport costs of €55.00 within Germany.
With welded-in shelves, load-bearing capacity per shelf 40 kg. Four castors with wall deflectors, including two with wheel brakes. No protruding edges or screws, thereby largely preventing accidents and making it easy to clean. Anti-static tyres.

Technical specifications:

Art. No.	0033.1	A206.1	Y497.1
Length	895 mm		
Width	595 mm		
Height	949 mm		1,264 mm
Level distance	591 mm	278 mm	
Roller Ø	125 mm		
Load capacity	80 kg	120 kg	150 kg
Weight	15,63 kg	19,1 kg	23,62 kg

Number of bases	Platform (mm)	Art. No.	Pack Qty.	€	€
2	800 x 500	**0033.1**	1 unit(s)	~~541,80~~	**433,40**
3	800 x 500	**A206.1**	1 unit(s)	~~597,70~~	**478,15**
4	800 x 500	**Y497.1**	1 unit(s)	~~790,15~~	**632,10**



-25 %

Dishwasher cleaners neodisher® LaboClean A8

Dr. Weigert.

Alkaline intensive cleanser (powder) with extraordinary cleaning power and high soil carrying capacity. **Surfactant-free**.
For mechanical cleaning. Removes blood, serum, food residues, pharmaceuticals, colours, paint, gelatine and other organic residues.
Not suitable for aluminium and light metal alloys.

Danger H290-H314-H335-H411

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	€	€
neodisher® LaboClean A8	**N330.1**	1 kg	~~19,05~~	**14,20**
neodisher® LaboClean A8	**N330.2**	10 kg	~~130,75~~	**98,00**
neodisher® LaboClean A8	**N330.3**	25 kg	~~313,90~~	**235,40**



-25 %

Dishwasher cleaners neodisher® N

Dr. Weigert.

Acidic neutralising and cleaning agent (liquid). Surfactant-free.
For mechanical cleaning of laboratory glass and surgical instruments. Ideal for neutralising carried over alkaline residue in first rinsing or for acidic pre-cleaning. Removes limescale and other acid-soluble residue. Easy to rinse. Not suitable for anodised aluminium, non-ferrous metals and acidsensitive plastics.

Danger H290-H314

Medical device class I

Type	Art. No.	Pack Qty.	€	€
neodisher® N	**N335.1**	1 l	~~30,10~~	**22,55**
neodisher® N	**N335.2**	5 l	~~124,00~~	**92,95**
neodisher® N	**N335.3**	12 kg	~~190,30~~	**142,70**
neodisher® N	**N335.4**	25 kg	~~366,60~~	**274,90**



-25 %

Dishwasher cleaners neodisher® LaboClean FLA

Dr. Weigert.

Alkaline intensive cleanser (liquid) with extraordinary cleaning power and high soil carrying capacity. **Free of surfactants, chlorine, phosphorous compounds and oxidising agents.**
For mechanical cleaning. Removes stubborn, oil-based residues and other organic dirt. Reduced efficiency with hard water.
Not suitable for aluminium and light metal alloys.

Danger H290-H302-H314

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	€	€
neodisher® LaboClean FLA	**N333.1**	5 l	~~73,30~~	**54,90**
neodisher® LaboClean FLA	**N333.2**	10 l	~~135,80~~	**101,80**
neodisher® LaboClean FLA	**N333.3**	25 kg	~~244,05~~	**183,00**



-25 %

Dishwasher cleaners neodisher® Z

Dr. Weigert.

Acidic neutralising and cleaning agent (liquid).
Free of surfactants, phosphates and nitrogen.
For mechanical cleaning of laboratory glass and surgical instruments. Ideal for neutralising carried over alkaline residue in first rinsing or for acidic pre-cleaning. Removes limescale and other acid-soluble residue. Especially gentle on materials. Not suitable for anodised aluminium and non-ferrous metals.

Warning H317-H319-H412

Medical device class I

Type	Art. No.	Pack Qty.	€	€
neodisher® Z	**N336.1**	1 l	~~21,45~~	**16,05**
neodisher® Z	**N336.2**	5 l	~~89,45~~	**67,05**

-20 %

Ultrasonic cleaning units Emmi® H-series



Emag.

Compact universal cleaning units for cleaning laboratory utensils and for speeding up dissolution.
Housing and vibration tank made of 1.4301 stainless steel.

Features:

- Timer for 1 to 60 minutes or continuous operation
- Heating is adjustable up to approx. 80 °C
- Operating frequency approx. 40 kHz
- Models H 30 to H 120 with drain valve

Technical specifications:

Art. No.	CPK5.1	CPK6.1	CPK7.1	CPK8.1	CPK9.1
Type	Emmi®-H22	Emmi®-H30	Emmi®-H40	Emmi®-H60	Emmi®-H120
Vol.	1.65 l	2.6 l	3.5 l	4.5 l	8 l
Max. volume	2.2 l	3 l	4 l	6 l	9 l
Inner tub length	240 mm	238 mm	300 mm	302 mm	500 mm
Inner tub width	140 mm	138 mm	150 mm	152 mm	135 mm
Inner tub height	65 mm	100 mm		150 mm	
Inner basket length	200 mm	205 mm	260 mm	270 mm	480 mm
Inner basket width	100 mm	105 mm	110 mm	120 mm	
Inner basket height	45 mm	70 mm		110 mm	135 mm
Outer length	300 mm	320 mm	385 mm	380 mm	600 mm
Outer width	175 mm	180 mm	185 mm		165 mm
Outer height	240 mm		255 mm	300 mm	355 mm
Operating frequency	40 kHz				
Peak ultrasonic output	120 W	180 W	240 W		300 W
Heating output	150 W	180 W	200 W	250 W	350 W
Outlet valve	no	yes			
Mains connection	220–240 V, 50/60 Hz				

Delivery incl. stainless steel lid and basket.

Not a medical device / Not an IVD product

Type	Vol. (l)	Outer length (mm)	Outer width (mm)	Outer height (mm)	Art. No.	Pack Qty.	€	€
Emmi®-H22	1.65	300	175	240	**CPK5.1**	1 unit(s)	~~338,65~~	**270,90**
Emmi®-H30	2.6	320	180	240	**CPK6.1**	1 unit(s)	~~495,60~~	**396,45**
Emmi®-H40	3.5	385	185	255	**CPK7.1**	1 unit(s)	~~603,10~~	**482,45**
Emmi®-H60	4.5	380	185	300	**CPK8.1**	1 unit(s)	~~727,80~~	**582,20**
Emmi®-H120	8	600	165	355	**CPK9.1**	1 unit(s)	~~1.099,75~~	**879,75**

-25 %



Ultrasonic cleaners ULTRASONOL® 7

Carl ROTH.

Gentle on materials, this special cleaner assists and intensifies the ultrasonic cleaning process.

- Also suitable for sensitive objects and materials. Non-irritating and non-toxic
- Non-flammable, non-gassing, biodegradable
- Liquid concentrate pH 7

Use 2–10% in water. Reaction time approx. 10 min; after washing, rinse thoroughly and dry.

Warning H319

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	€	€
ULTRASONOL® 7	**5356.1**	1 l	~~18,25~~	**13,65**
ULTRASONOL® 7	**5356.2**	5 l	~~72,80~~	**54,55**
ULTRASONOL® 7	**5356.4**	20 kg	~~219,30~~	**164,45**

-25 %



Ultrasonic cleaners ULTRASONOL® 11

Carl ROTH.

This highly effective special cleaner assists and intensifies the ultrasonic cleaning process.

- Removes distillation residues, tars, resins, Canada balsam, adhesives, silicones, greases, oils and similar contaminants
- Non-flammable, non-gassing, biodegradable
- Liquid concentrate pH 12.9

Use 2–10% in water. Reaction time 1 to 10 min; after washing, rinse thoroughly and dry.

Danger H290-H314-H412

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	€	€
ULTRASONOL® 11	**5354.1**	1 l	~~16,40~~	**12,25**
ULTRASONOL® 11	**5354.2**	5 l	~~72,30~~	**54,15**

-25 % NEW/+

Chemical protection gloves SHOWA 732

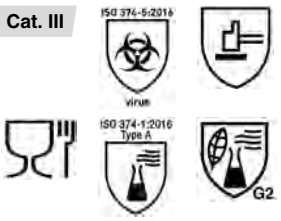
SHOWA. Material: nitrile rubber.

Acc. to EN ISO 21420, EN ISO 374-1/type A (AJKLOPT), EN ISO 374-5 (virus), ISO 18889/G2, EN 388 (4101X).
AQL 1.5. Acc. to 1935/2004 – approved for food handling.

- Good chemical resistance, in particular to oils, fats and solvents
- Improved wearing comfort thanks to cotton flock lining
- Surface with diamond structure for excellent wet adhesion and grip
- Thickness approx. 0.38 mm
- Length approx. 330 mm
- Colour: green

Applications: chemical industry, laboratories, cleaning companies, food processing, food packaging, fisheries, forestry and agriculture.

Cat. III





Size	Length (mm)	Manufacturer no.	Art. No.	Pack Qty.	€	€
7 (S)	330	732-07 S	**225G.1**	12 pair	~~32,05~~	**24,00**
8 (M)	330	732-08 M	**225M.1**	12 pair	~~32,05~~	**24,00**
9 (L)	330	732-09 L	**225U.1**	12 pair	~~32,05~~	**24,00**
10 (XL)	330	732-10 XL	**225W.1**	12 pair	~~32,05~~	**24,00**
11 (XXL)	330	732-11 XXL	**226G.1**	12 pair	~~32,05~~	**24,00**



-20 % NEW/+ Cat. I

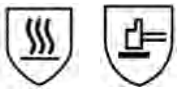
Undergloves SHOWA B0910

SHOWA. Material: polyester.

Fingerless inner glove made of seamless, polyester knit fabric for maximum wearing comfort with unrestricted dexterity.
Can be worn on either hand. Machine-washable up to 40 °C.

Version	Length (mm)	Colour	Manufacturer no.	Art. No.	Pack Qty.	€	€
One size	165	white	B0910	**224M.1**	10 pair	~~38,60~~	**30,85**

-20 % Cat. II





Cut-resistant gloves NITRASTEEL

LEBON PROTECTION. Material: para-aramid, nitrile rubber, stainless steel.

Acc. to EN 420, EN 388(4X42F), EN 407(X2XXXX).

Seamless knitted glove, gauge number 10, made of para-aramid and rust-free, stainless-steel fibre. First complete coating in blue, waterproof nitrile. Second ¾ coating in micro-alveolar, black nitrile.
Cuff (10 cm) made of nitrile.

- High level of cut-resistance
- Secure grip even in wet and oily environments
- Heat protection up to +100 °C contact heat
- Total length approx. 27 cm

Applications: metal, glass and plastics industry, mechanical engineering and subcontractors, tool change on hot machines.

Size	Length (mm)	Colour	Art. No.	Pack Qty.	€	€
7	270	black, blue	**20KX.1**	1 pair	~~20,40~~	**16,25**
8	270	black, blue	**20KY.1**	1 pair	~~20,40~~	**16,25**
9	270	black, blue	**20L0.1**	1 pair	~~20,40~~	**16,25**
10	270	black, blue	**20L1.1**	1 pair	~~20,40~~	**16,25**
11	270	black, blue	**20L2.1**	1 pair	~~20,40~~	**16,25**

-25 %

Cat. III





Disposable gloves ROTIPROTECT® - Nitril eco

Carl ROTH. Material: nitrile rubber. Non-sterile.

Acc. toEN ISO 21420, EN ISO 374-1/type B (KPT) and EN ISO 374-5 (virus), ASTM-F 1671-97, EN 421. AQL 1.5.
Acc. to 1935/2004 – suitable for contact with foodstuffs.

- **Textured fingers for secure grip**
- Extra thin and soft for maximum wearing comfort
- High tactile sensitivity
- Non-powdered
- Free from phthalates/plasticisers and allergenic latex proteins
- Can be worn on both hands
- Beaded cuff
- Colour: blue
- Thickness: approx. 0.10 mm
- Length: min. 240 mm
- 100 or 90 per dispenser box

The perfect disposable solution for splash protection against many chemicals and for handling greasy foodstuffs. The blue signal is suitable for areas which are subject to HACCP standards.

Not a medical device / Not an IVD product

Size	Length (mm)	Colour	Art. No.	Pack Qty.	€	€
S (6–7)	≥240	blue	**TC12.1**	100 unit(s)	~~15,55~~	**11,60**
M (7–8)	≥240	blue	**TC13.1**	100 unit(s)	~~15,55~~	**11,60**
L (8–9)	≥240	blue	**TC14.1**	100 unit(s)	~~15,55~~	**11,60**
XL (9–10)	≥240	blue	**TC15.1**	90 unit(s)	~~15,55~~	**11,60**
10 boxes of each size						**10,40 / box**

-20 %

Cat. III





Disposable gloves KIMTECH® Sterling Nitrile

Kimberly-Clark. Material: nitrile rubber. Non-sterile.

Acc. to (EU) 2016/425 PPE cat. III, EN ISO 21420, EN ISO 374-1/type C (K), EN ISO 374-5 (virus). AQL 0.65.

- Protection against chemical splashes and micro-organisms
- Very good fit
- Excellent tactile sensitivity
- Can be worn on either hand
- Textured fingertips for better grip
- Rolled edge makes them quick and easy to put on
- Free of natural latex, silicone and non-powdered
- Wall thickness: 0.08 mm (palm)
- Efficient packaging, resulting in up to 33% less waste

Applications: ideal for use in research and production facilities for forensics, life sciences and non-sterile drug manufacturing applications.

Not a medical device / Not an IVD product

Size	Length (mm)	Colour	Art. No.	Pack Qty.	€	€
XS	≥240	grey	**22HE.1**	150 unit(s)	~~43,75~~	**34,95**
S	≥240	grey	**22HH.1**	150 unit(s)	~~43,75~~	**34,95**
M	≥240	grey	**22HK.1**	150 unit(s)	~~43,75~~	**34,95**
L	≥240	grey	**22HL.1**	150 unit(s)	~~43,75~~	**34,95**
XL	≥240	grey	**22HN.1**	140 unit(s)	~~43,75~~	**34,95**
10 boxes of each size						**31,50 / box**



-25 %

Safety glasses ADAPT

Moldex. Material: PC, TPE, nylon, lens polycarbonate, sealing lip TPE, temples nylon.

Acc. to **EN 166, EN 170**.
Lightweight, innovative safety glasses specially designed for wearing with protective masks.

- Innovative lens design with flexible sealing lip
- Perfect fit in combination with respiratory protection masks
- Prevents fogging when wearing respiratory protection masks
- Frameless for a particularly large and clear field of vision
- Flexible temples for even distribution of pressure
- Flexible nose seal lip for a secure, slip-resistant fit
- Good wearing comfort
- Very lightweight, weight: 21 g

(1) 1K

- Clear, anti-fog and anti-scratch coating

Frame colour	Lens design	Manufac-turer no.	Art. No.	Pack Qty.	€	€
colourless, transparent	clear, UV protection	141001	**205C.1**	1 unit(s)	~~14,95~~	**11,15**

(2) 2K

- Double anti-fog and anti-scratch coating
- Rubberised temple insides for improved secure fit

Frame colour	Lens design	Manufactu-rer no.	Art. No.	Pack Qty.	€	€
colourless, transparent	clear, UV protection	140001	**205A.1**	1 unit(s)	~~18,30~~	**13,70**



-25 %

NEW / +

Wide-vision safety goggles 6X3

Univet.

Acc. to **EN 166, EN 170**.
Large panoramic lens, fits over prescription glasses and is compatible with half masks. Clear PC lens with innovative UDC double coating, scratch-resistant on the outside and anti-fog on the inside.

- Adjustable head strap
- Indirect ventilation system ensures protection against liquid droplets and splashes
- Optional attachable face shield
- UV400 – UV absorption up to 400 nm

Frame colour	Lens design	Manufacturer no.	Art. No.	Pack Qty.	€	€
green	clear, anti-scratch, anti-fog	6X3.00.00.00	**ATP4.1**	1 unit(s)	~~33,25~~	**24,85**

Black Edition

Frame colour	Lens design	Manufacturer no.	Art. No.	Pack Qty.	€	€
black	clear, anti-scratch, anti-fog	6X3.00.60.00	**20WA.1**	1 unit(s)	~~33,60~~	**25,15**



-20 %

Particulate filter mask Air Plus

Moldex.
Acc. to EN 149:2001+A1:2009.

Protection against dust, aerosols and fumes:

- Anatomically preformed masks – adaptable to fit different face sizes
- DuraMesh®: sturdy mask mesh keeps the mask in shape
- ActivForm®: no nose bridge required
- Special tight fit thanks to soft all-round sealing lip made of a skin-friendly, washable TPE material

- **Fluted filter technology: 260% more filtration area**, very low breathing resistance, high absorption capacity, long life
- All-round strap with adjustable clip for easy application, removal and adjustment

(1) With Klimaventil®
Exhalation valve for easy exhalation. The valve opens at the lightest exhalation pressure. Heat and moisture build-up under the mask are reduced.

Protection level	Manufacturer no.	Pack.	Art. No.	Pack Qty.	€	€
FFP2 R D	3305	1 x 5 piece	**T761.1**	5 unit(s)	~~59,20~~	**47,30**
FFP3 R D	3405	1 x 5 piece	**T763.1**	5 unit(s)	~~59,20~~	**47,30**
FFP3 R D	3405-12	blister pack	**287Y.1**	1 unit(s)	~~13,60~~	**10,85**

(2) With ProValve
Integrated exhalation valve reduces condensation in the exhaled air.

Protection level	Manufacturer no.	Pack.	Art. No.	Pack Qty.	€	€
FFP2 R D	3308	individually packed	**288A.1**	5 unit(s)	~~57,60~~	**46,00**
FFP3 R D	3408	individually packed	**288C.1**	5 unit(s)	~~62,25~~	**49,75**



-20 %

Hand hygiene training and monitoring Derma LiteCheck Box

BODE Chemie.

Instrument for checking the correct rubbing-in technique. In combination with Visirub Gel, wetting gaps during hand disinfection can be visualised using the fluorescence test with UV black light.

- Handy training tool
- Quick and easy to assemble

Folded dimensions: W 35 x H 35 x D 10.8 cm.

Delivery incl. power cable, 1x tube of Visirub conc., brochure and identification labels. Without disinfectant, please order 500 ml bottle of Sterillium separately.

W x D x H (cm)	Art. No.	Pack Qty.	€	€
35 x 29.4 x 35	**27Y3.1**	1 unit(s)	~~966,45~~	**773,10**

-25 %

Cat. III



Overalls TYCHEM® 6000 F

DuPont Personal Protection. Material: TYCHEM® 6000 F.

Certified according to Regulation (EU) 2016/425, chemical protective clothing, category III, type 3-B, 4-B, 5-B and 6-B. Acc. to EN 14605 (protective clothing against liquid chemicals), EN 14126 (protective clothing against radioactive contamination), EN 1073-2 (protective clothing against infectious agents).
Antistatic clothing (EN 1149-5) on the inside.

- With hood and elastic at face, arms, legs and waist
- Tight seams taped with barrier tape for protection and durability
- Self-adhesive double zip system for improved tightness
- Lint-free, wear- and tear-resistant
- 100% particle-tight
- Socks with ankle attachments to be worn in safety boots or in shoes with additional knee-length boot covers to ensure a high level of protection

Protection against many organic chemicals and concentrated inorganic acids, bases and saline solutions.
Fabric weight 120 g/m². Material thickness 206 µm.



Applications:

- Handling hazardous solid, liquid or gaseous substances
- Decontamination work
- Disposal of hazardous chemicals
- Working with pressurised hazardous substances
- Inspection and securing of accident sites in the event of leakages of unknown substances

Version	Size	Body size (cm)	Colour	Art. No.	Pack Qty.	€	€
Model TFCHA5TGY00	S	162–170	grey	**1HEX.1**	1 unit(s)	~~52,70~~	**39,50**
Model TFCHA5TGY00	M	168–176	grey	**1HEY.1**	1 unit(s)	~~52,70~~	**39,50**
Model TFCHA5TGY00	L	174–182	grey	**1HH0.1**	1 unit(s)	~~52,70~~	**39,50**
Model TFCHA5TGY00	XL	180–188	grey	**1HH1.1**	1 unit(s)	~~52,70~~	**39,50**
Model TFCHA5TGY00	XXL	186–194	grey	**1HH2.1**	1 unit(s)	~~52,70~~	**39,50**
Model TFCHA5TGY00	XXXL	186–194	grey	**1HH3.1**	1 unit(s)	~~52,70~~	**39,50**

-15 %

NEW / +



Safety boots Acifort® HazGuard

Dunlop®. Material: PVC, nitrile rubber.

Acc. to EN ISO 20345:2011 S5 AN SRA.
Chemical protection acc. to EN 13832-3:2018 (J-K-O-P-Q-R + L at 50%, additionally certified against sulphuric acid 50%).

- Self-cleaning and SRA++ slip-certified outer sole
- Energy-absorbing – shock-absorbing heel design
- Reinforced ankle protection
- Steel toe cap
- Penetration protection: steel midsole
- Oil-resistant sole
- Grey inner lining

Professional chemical protection. Acifort® is a mix of PVC, nitrile rubber and polymers for durable, more convenient and more resistant safety boots.



Full Safety

Colour	Size (EU)	Manufacturer no.	Art. No.	Pack Qty.	€	€
green, yellow	39	A442AB1.39	**277G.1**	1 pair	~~150,35~~	**127,75**
green, yellow	40	A442AB1.40	**277M.1**	1 pair	~~150,35~~	**127,75**
green, yellow	41	A442AB1.41	**277U.1**	1 pair	~~150,35~~	**127,75**
green, yellow	42	A442AB1.42	**277W.1**	1 pair	~~150,35~~	**127,75**
green, yellow	43	A442AB1.43	**278G.1**	1 pair	~~150,35~~	**127,75**
green, yellow	44	A442AB1.44	**278M.1**	1 pair	~~150,55~~	**127,90**
green, yellow	45	A442AB1.45	**278U.1**	1 pair	~~150,35~~	**127,75**
green, yellow	46	A442AB1.46	**278W.1**	1 pair	~~150,35~~	**127,75**
green, yellow	47	A442AB1.47	**279G.1**	1 pair	~~150,35~~	**127,75**
green, yellow	48	A442AB1.48	**279M.1**	1 pair	~~150,35~~	**127,75**
green, yellow	49	A442AB1.49	**279U.1**	1 pair	~~150,35~~	**127,75**



-30 %

Plaster dispenser Salvequick®

Cederroth.

Dispenser box with special key for opening and refilling the dispenser. Filled with elastic and waterproof plaster strips. The plasters are easy to apply without requiring further assistance. When it is pulled out, half of the plaster is adhesive, ready to be applied.
Dispenser contains:

- 1 Salvequick fabric plaster refill set (X288.1). 40 elastic, skin-friendly plasters for immediate use: 24 strips 72 x 19 mm and 16 strips 72 x 25 mm;
- 1 Salvequick plastic plaster refill set (X289.1). 45 waterproof plasters for immediate use: 27 strips 72 x 19 mm and 18 strips 72 x 25 mm.

L x W x H (mm)	Art. No.	Pack Qty.	€	€
220 x 52 x 115	**X287.1**	1 set	~~44,90~~	**31,35**



-20 %

Soap and disinfectant dispenser SARAYA ADS 500/1000 with sensor

SARAYA.

Contactless dispenser with sensor for hygienic drawing of hand sanitisers and liquid soap.
Due to the difference in viscosity between liquid soap and sanitiser, two different pumps are included:
1x spray pump for sanitiser and 1x drop pump for liquid soap and lotions. This makes it possible to convert the dispenser as required.

- Can be used free-standing or mounted on a wall
- Battery operation enables flexible use
- Suitable for 500 ml and 1000 ml standard bottles (Euro bottles)
- Quick and easy wall mounting via a mounting plate

Delivery incl. drip tray, shelf for 500 ml bottles, wall mounting plate, mounting material, without batteries (4 LR20) and bottle (please order separately).

Not a medical device / Not an IVD product

Suitable for	W x D x H (mm)	Art. No.	Pack Qty.	€	€
500/1000 ml Euro bottles	104 x 190 x 312	**1H26.1**	1 unit(s)	~~107,25~~	**85,75**



-20 %

Waste containers Biohazard bench-top with sensor

Bel-Art Products.

Tabletop waste disposal containers for biohazardous waste. Sensor lid opens without touching by hand, enabling hands-free working.
Perfectly suited to small objects such as pipette tips and reaction vials.

- Stainless steel housing and chrome lid are resistant to bleaching agents and easy to clean
- PP insert with handle for easy emptying of the contents. Cleaning with 70% ethanol possible
- Lid closes automatically after approx. five seconds, can also be set to permanently open. Retains odours and ensures a hygienic environment
- Indicator lamp shows battery replacement
- Three AAA batteries are required
- Suitable for YA55.1 disposal bags (220 x 280 mm)

Delivery without batteries, please order separately.

Vol. (l)	Ø x H (mm)	Art. No.	Pack Qty.	€	€
1.5	124 x 170	**25EY.1**	1 unit(s)	~~119,40~~	**95,45**



-10 %

Fire blanket

Heinrich Vorndamme.

Made of Isotemp® glass fibre cloth, tested by BAM (German Federal Institute for Materials Research and Testing). Free of asbestos, highly heat-resistant, high extinguishing capability, can be used multiple times. With gripping loops. In ready-to-use pack with wall mount.
Ready-to-use pack dimensions W 255 x D 130 x H 275 mm.

Technical specifications:

Art. No.	0084.1
Weight	2.1 kg

L x W (cm)	Art. No.	Pack Qty.	€	€
200 x 160	**0084.1**	1 unit(s)	~~121,05~~	**108,90**



-20 %

NEW / +

Disposal set SCAT

S.C.A.T. Material: HDPE.

For safe disposal of liquid laboratory waste. Set of canister and safety funnel – ready for immediate use.

- Canister made from robust HDPR with UN-Y approval
- Safety funnel with lid
- Canisters and funnels are also individually available

With lid funnel

MARCO lid funnel without lance with sieve.

Thread	Vol. (l)	Art. No.	Pack Qty.	€	€
GL 45	2.5	**23NG.1**	1 set	~~111,30~~	**89,00**
GL 45	5	**23NM.1**	1 set	~~117,75~~	**94,15**
GL 45	10	**23NU.1**	1 set	~~124,30~~	**99,35**





-25 %

NEW / +

Disposal set electrically conductive SCAT

S.C.A.T. Material: HDPE electrically conductive.

For safe disposal of liquid and flammable laboratory waste. Ready to use without additional accessories.

- Canister made from robust HDPE
- Safety funnel with lid and earthing cable
- Set components are also individually available

Set 1

Set 1 contains:

- ARNOLD S60/61 eye funnel with removable lance (220 mm)
- Canister with filling level display

Thread	Vol. (l)	Art. No.	Pack Qty.	€	€
S 60/61	10	**23PG.1**	1 set	~~287,05~~	**215,25**

Set 2

Set 2 contains:

- MARCO lid funnel without lance, with sieve
- Canister without filling level display
- Collecting tray with base insert

Thread	Vol. (l)	Art. No.	Pack Qty.	€	€
S 60/61	10	**23PM.1**	1 set	~~418,20~~	**313,60**

Set 3

Set 3 contains:

- MARCO lid funnel without lance, with sieve
- Canister with filling level display
- Collecting tray with base insert

Thread	Vol. (l)	Art. No.	Pack Qty.	€	€
S 60/61	10	**23PU.1**	1 set	~~549,35~~	**411,95**



-25 %

Autoclavable

Single-channel microlitre pipettes ROTILABO®

Carl ROTH. 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

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)	~~306,40~~	**229,75**
Single-channel, variable	2 to 20	0,02	200	**TA22.1**	1 unit(s)	~~276,30~~	**207,20**
Single-channel, variable	10 to 100	0,1	200/300	**TA23.1**	1 unit(s)	~~276,30~~	**207,20**
Single-channel, variable	20 to 200	0,2	200/300	**TA24.1**	1 unit(s)	~~276,30~~	**207,20**
Single-channel, variable	100 to 1000	1	1000	**TA25.1**	1 unit(s)	~~276,30~~	**207,20**
Single-channel, variable	500 to 5000	5	5000	**TA26.1**	1 unit(s)	~~306,40~~	**229,75**
Single-channel, variable	1000 to 10000	10	10000	**TA27.1**	1 unit(s)	~~306,40~~	**229,75**

Life Science

TOP Offers





-15 %

Secondary antibodies at Carl ROTH

In cooperation with antibodies.com

Discover high-quality secondary antibodies with optimally matched conjugates for immunofluorescence, flow cytometry, ELISA, western blotting, and immunohistochemistry – ideal for reliable applications in research and development.

Conjugate	Typical application
Unconjugated	Assay development, custom conjugation
AP	ELISA, Western Blot, IHC
Biotin	ELISA, IHC, signal amplification
Cy3	Immunofluorescence, multiplexing
Cy5	Immunofluorescence, confocal microscopy
Cy5.5	Near-IR fluorescence analysis
FITC	Immunofluorescence, flow cytometry
HRP	ELISA, Western Blot, IHC
HRP-Polymer	Highly sensitive IHC
PE	Flow cytometry
TRITC	Immunofluorescence

Discover our range of secondary antibodies here:



Valid from 1 October to 31 December 2026

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INT

Alternatives to FBS

-10 %

Human Platelet Lysate (HPL)

Human platelet lysate (HPL) is increasingly used as a functional substitute for fetal bovine serum (FBS) in cell culture. Compared with FBS, HPL offers several key advantages: it is free of animal-derived components, exhibits significantly lower batch-to-batch variability, and thereby contributes to improved reproducibility.

It also demonstrates high efficacy and performance relative to FBS. Due to its human origin, HPL further supports the clinical translatability of experimental results.

It is a growth factor-rich supplement obtained through an upcycling process from platelet units that are no longer suitable for transfusion, collected at blood donation centers. The stored growth factors are released through freeze-thaw cycles and processed in GMP-certified facilities.

Sustainability

Animal-free: Contains no animal-derived components

EU regulation compliant: Produced under controlled manufacturing conditions

Upcycling product: Resource-efficient production

High efficacy: Approximately 50 % less material required compared to FBS

❄❄ S



HPL ELAREM™ Perform-FD PLUS

Research Grade, fibrinogen-depleted, EU origin

PL BioScience.

Supplement for cell culture.

ELAREM™ Perform-FD PLUS Research Grade is a fibrinogen-depleted and anticoagulant-free Human Platelet Lysate of EU origin. As a xeno-free and easy-to-use cell culture supplement, ELAREM™ Perform-FD PLUS Research Grade supports the efficient and safe in vitro expansion of various primary cells and cell lines.

All the advantages at a glance:

- **Efficiency**: Only 25–50 % of the FBS amount required
- **Performance**: Faster cell proliferation, higher cell quality
- **Safety**: Human origin, no animal pathogens
- **Reproducibility**: Minimal batch-to-batch variation
- **Time-saving**: No lengthy testing phases, better results
- **Clinical relevance**: Directly translatable to clinical applications

The product is fibrinogen-depleted. The addition of anticoagulants is not required.

Storage temperature: –20 °C
Transport temperature: frozen

Not a medical device / Not an IVD product

Art. No.	Pack Qty.	Pack.	€	€
3NAT.1	50 ml	plastic	~~268,75~~	241,85
3NAT.2	100 ml	plastic	~~473,00~~	425,70
3NAT.3	500 ml	plastic	~~1773,75~~	1596,35

-20 %

Defined FBS Replacement ROTI®Cell Zerum

ROTI®Cell Zerum is a serum-free alternative to conventional fetal bovine serum (FBS). Its defined formulation combines growth-promoting trace elements, proteins, and selected animal-derived protein fractions to provide cells with all essential factors required for optimal growth.

The carefully optimized formulation enables cell performance comparable to FBS and, at the same time, ensures controlled and reproducible culture conditions. As a result, ROTI®Cell Zerum promotes robust cell culture and delivers reliable and consistent results.

All the advantages at a glance:

- **0% FBS:** Serum-free alternative to FBS
- **Reproducibility:** Defined formulation
- **Performance:** Cell performance at FBS level
- **Ready-to-use:** Direct replacement without workflow adaptation
- **Application range:** Compatible with a wide variety of cell types
- **Expertise:** Developed based on many years of expertise

Sustainability

Serum-free – elimination of fetal bovine serum (FBS) collection

Resource-efficient – no lengthy testing phases

Handling – ready to use

NEW/+ ❄❄ S Low Endotoxin



Defined FBS Replacement ROTI®Cell Zerum

CELLPURE®, sterile

Defined FBS alternative.

Directions for use

FBS can typically be directly substituted with ROTI®Cell Zerum without the need for prior stepwise adaptation. The working concentration and handling should be adjusted according to standard FBS conditions. Otherwise, a concentration of 10% is recommended.

ROTI®Cell Zerum is suitable for a wide range of adherent and suspension cell cultures. Successfully tested cell models include epithelial, renal, and fibroblast cell lines, as well as primary immune cells and keratinocytes. In all investigated models, reliable cell growth and high cell viability were observed.

Storage temperature: –20 °C
Transport temperature: frozen

Not a medical device / Not an IVD product

Art. No.	Pack Qty.	Pack.	€	€
2AGN.1	100 ml	plastic	~~91,20~~	73,10
2AGN.2	500 ml	plastic	~~387,00~~	309,60

For serum-reduced cell culture

-20 %

S | Low Endotoxin

Fetal Bovine Serum (FBS) LowCalf, South America

CELLPURE® sterile

Serum-reduced supplement for cell culture

Collected in South America.

Sustainability

The FBS LowCalf was specially developed to minimize the use of foetal calf serum in cell culture. To achieve this, 50% of the FBS has been replaced by a carefully balanced mixture of chemical growth-promoting factors such as insulin, transferrin, trace elements and amino acids.

This growth cocktail provides the cells with all the essential nutrients for optimal growth. In numerous cell lines, FBS LowCalf has even proven to be superior to standard FBS, as the cultivated cells exhibit better viability and less cell stress at the same time.

As a result, FBS LowCalf is not only a more sustainable alternative to conventional FBS, but also impresses with its performance.

Storage temperature: –20 °C
Transport temperature: frozen

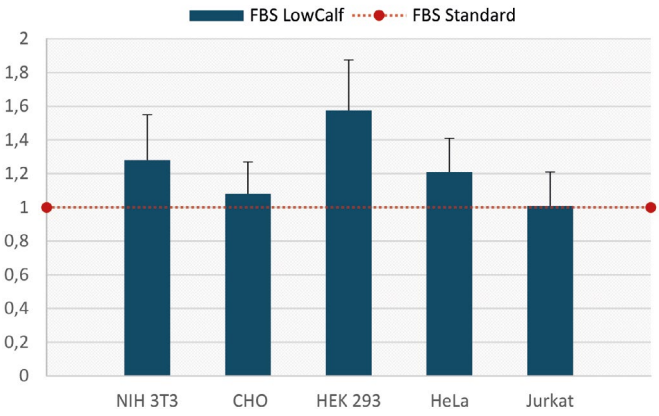
Not a medical device / Not an IVD product

Art. No.	Pack Qty.	Pack.	€	€
286H.1	100 ml	plastic	~~68,30~~	**54,60**
286H.2	500 ml	plastic	~~282,20~~	**225,75**



Advantages:

- Only 50% serum content
- Optimized cultivation results
- Proven reduction in cell stress
- Less batch to batch variation
- Alternative to conventional FBS



Cell Viability Assay
Relative cell viability of various cell lines cultured in 10% FBS LowCalf.

Peptones

Low Endotoxin

-20 %

Peptones, as protein hydrolysates (PHL), offer a rich composition of amino acids, peptides, vitamins, carbohydrates, nucleosides, minerals, and other constituents. They are essential in the cultivation of various cell lines, serving as a partial substitute for fetal bovine serum (FBS) in chemically defined or serum-reduced cell culture media. Peptones have been demonstrated to significantly enhance cell growth and protein synthesis, making them particularly valuable in the production of biopharmaceutical products and vaccines.



Special Properties

Our cell culture peptones have been proven to achieve improved cell growth and optimized cell performance compared to other peptones suitable for cell culture. This is due to a unique manufacturing process that enables peptone purification without ultrafiltration. As a result, the endotoxin content is significantly lower than the usual levels. At the same time, essential growth factors and other nutrients are maximally preserved.

All the advantages at a glance:

- Minimal endotoxin content (≤ 200 EU/g)
- Increased content of nutrients and growth factors
- Optimized cell growth
- Improved cell performance
- For the support of serum-reduced cell cultures

Product name	Purity	Instructions for use	Art. No.	Pack Qty.	€	€
Peptone ex casein	< 200 EU/g, for cell culture	For use in mammalian cell cultures.	**1T90.1**	500 g	~~166,65~~	**133,30**
			1T90.2	1 kg	~~310,70~~	**248,50**
			1T90.3	2.5 kg	~~650,40~~	**520,30**
Peptone ex meat	< 200 EU/g, for cell culture	For use in mammalian cell cultures.	**1T91.1**	250 g	~~94,50~~	**75,55**
			1T91.2	500 g	~~166,65~~	**133,30**
			1T91.3	1 kg	~~310,70~~	**248,50**
			1T91.4	2.5 kg	~~650,40~~	**520,30**
Soy Peptone	< 200 EU/g, animal-free/GMO-free, for cell culture	For use in mammalian cell cultures.	**1T92.1**	250 g	~~94,50~~	**75,55**
			1T92.2	500 g	~~166,65~~	**133,30**
			1T92.3	1 kg	~~310,70~~	**248,50**
			1T92.4	2.5 kg	~~650,40~~	**520,30**
Wheat Peptone	< 200 EU/g, animal-free/GMO-free, for cell culture	For use in mammalian cell cultures.	**2AKM.1**	200 g	~~95,70~~	**76,50**
			2AKM.2	500 g	~~193,50~~	**154,80**
			2AKM.3	1 kg	~~333,30~~	**266,60**
			2AKM.4	2.5 kg	~~731,00~~	**584,80**

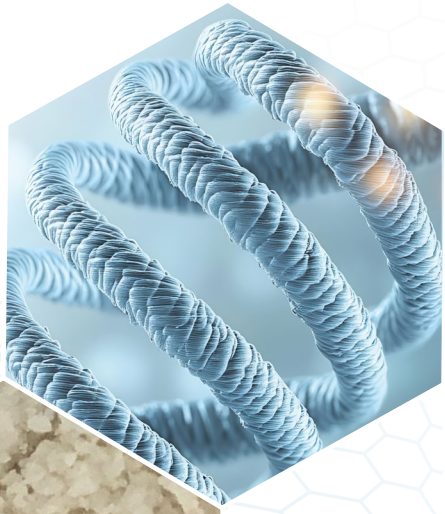
Safety information and additional data at www.carlroth.com

Tissue Engineering

-20 %

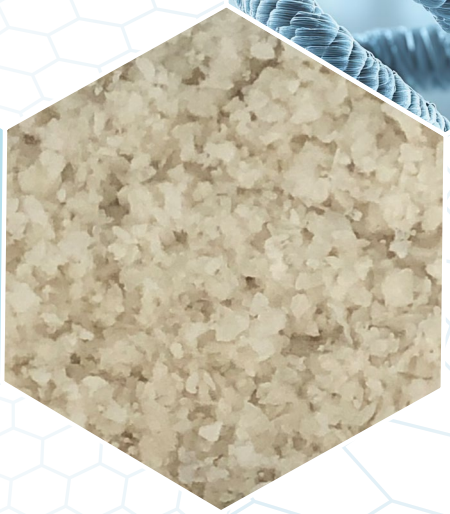
Structural Molecules of Connective Tissue

The goal of tissue engineering is to recreate human tissue and to investigate and understand the interactions between various structural molecules. Based on this knowledge and the optimal combination of connective tissue components, researchers in the field of bioprinting work to create the most suitable possible environment for cells. The cosmetics and food industries also use these insights to develop products that provide the body with key building blocks for the maintenance and regeneration of tissues.





- **Raw material from certified and highly specialized production facilities in Europe**
- **Very high purity for reliable results**
- **CELLPURE® - Low endotoxin levels for sensitive applications**
- **Available in various quality grades**



Low Endotoxin

Product name	Purity	Endotoxin content	General application	Additional info	Art. No.	Pack Qty.	€	€
Collagen type I, native	>50%, Ultra Quality, low endotoxin, bovine, acid soluble	≤0,5 U/mg	Soluble, molecular collagen with intact native triple helix as well as N- and C-terminal telopeptides (telocollagen).	Source: Bovine	**23M7.1**	2 g	~~124,70~~	**99,75**
					23M7.2	10 g	~~482,70~~	**386,10**
Collagen type I, solution	0,1% (w/v) in HCl, low endotoxin, bovine, sterile-filtered	≤0,1 U/ml	Ready-to-use collagen solution for biomaterials science, 3D cell culture, and tissue engineering.	Source: Bovine	**23M8.1**	25 ml	~~358,00~~	**286,35**
					23M8.2	100 ml	~~857,85~~	**686,25**
	0,4% (w/v) in HCl, low endotoxin, bovine, sterile-filtered	≤0,1 U/ml	Ready-to-use collagen solution for biomaterials science, 3D cell culture, and tissue engineering.	Source: Bovine	**23M9.1**	25 ml	~~376,25~~	**301,00**
					23M9.2	100 ml	~~933,10~~	**746,45**
	0,5% (w/v) in HCl, low endotoxin, bovine, sterile-filtered	≤0,1 U/ml	Ready-to-use collagen solution for biomaterials science, 3D cell culture, and tissue engineering.	Source: Bovine	**23MA.1**	25 ml	~~408,50~~	**326,80**
					23MA.2	100 ml	~~1056,95~~	**847,95**
Elastin, hydrolyzed	>90 % elastin peptides, soluble	≤10 U/mg	Soluble elastin hydrolysate for research, tissue engineering, or biomaterial development.	Source: Porcine	**22G1.1**	1 g	~~29,50~~	**23,20**
					22G1.2	5 g	~~97,90~~	**78,25**
					22G1.3	10 g	~~163,50~~	**130,70**
	>90 % elastin peptides, high-molecular-weight (21 kDa), soluble	≤10 U/mg	Soluble elastin hydrolysate for research, tissue engineering, or biomaterial development.	Source: Porcine	**23UT.1**	1 g	~~202,50~~	**161,65**
					23UT.2	5 g	~~829,90~~	**663,90**
	>90 % elastin peptides, low-molecular-weight (9-10 kDa), soluble	≤10 U/mg	Soluble elastin hydrolysate for research, tissue engineering, or biomaterial development.	Source: Porcine	**23UU.1**	1 g	~~213,95~~	**171,10**
					23UU.2	5 g	~~884,75~~	**707,75**
Hyaluronic acid sodium salt	≥95 %, Ultra Quality, low endotoxin, MW 8-250 kDa	≤0,5 U/mg	High-purity sodium hyaluronate with low molecular weight for applications in cell culture and tissue engineering.	Source: *Streptococcus equi* subsp. *zooepidemicus*	**2AUH.1**	1 g	~~29,10~~	**23,20**
					2AUH.2	5 g	~~123,65~~	**98,90**
					2AUH.3	20 g	~~354,75~~	**283,80**
					2AUH.4	50 g	~~741,75~~	**593,40**
	≥95 %, Ultra Quality, low endotoxin, MW 250-1000 kDa	≤0,5 U/mg	High-purity sodium hyaluronate with low to medium molecular weight for applications in cell culture and tissue engineering.	Source: *Streptococcus equi* subsp. *zooepidemicus*	**2AUK.1**	1 g	~~30,10~~	**24,05**
					2AUK.2	5 g	~~127,95~~	**102,30**
					2AUK.3	20 g	~~365,50~~	**292,40**
					2AUK.4	50 g	~~774,00~~	**619,20**
	≥95 %, Ultra Quality, low endotoxin, MW 1000-1600 kDa	≤0,5 U/mg	High-purity sodium hyaluronate with medium to high molecular weight for applications in cell culture and tissue engineering.	Source: *Streptococcus equi* subsp. *zooepidemicus*	**2AUL.1**	1 g	~~30,10~~	**24,05**
					2AUL.2	5 g	~~127,95~~	**102,30**
					2AUL.3	20 g	~~365,50~~	**292,40**
					2AUL.4	50 g	~~774,00~~	**619,20**
	≥95 %, Ultra Quality, low endotoxin, MW >1600 kDa	≤0,5 U/mg	High-purity sodium hyaluronate with high molecular weight for applications in cell culture and tissue engineering.	Source: *Streptococcus equi* subsp. *zooepidemicus*	**2AUM.1**	1 g	~~22,60~~	**18,05**
					2AUM.2	5 g	~~95,70~~	**76,50**
					2AUM.3	20 g	~~281,65~~	**225,30**
					2AUM.4	50 g	~~570,85~~	**456,65**

Not medical devices / Not IVD products.
For safety information and additional data, see www.carlroth.com

Inhibitors

-20 %



Individual Inhibitors

Product name	Purity	General application	Art. No.	Pack Qty.	€	€
AEBSF hydrochloride	≥97 %, for biochemistry	Inhibitor of serine proteases	2931.1	25 mg	~~27,85~~	22,25
			2931.2	100 mg	~~60,10~~	48,05
			2931.3	500 mg	~~241,90~~	193,50
Antipain dihydrochloride	≥30 U/mg, for biochemistry	Serine/cysteine protease inhibitor and in general of proteases similar to trypsin. Isolated from *Streptomyces*.	2933.1	5 mg	~~79,45~~	63,50
			2933.2	25 mg	~~274,15~~	219,30
Aprotinin	≥3,0 PEU/mg, for biochemistry	Inhibitor for inhibition of serin proteases, lyophilized and made of beef lung.	A162.1	10 mg	~~51,50~~	41,15
			A162.2	50 mg	~~160,20~~	128,10
			A162.3	100 mg	~~282,20~~	225,75
			A162.5	250 mg	~~585,90~~	468,70
			A162.4	500 mg	~~1101,90~~	881,50
E-64	≥99 %, for biochemistry	Inhibitor of cysteine proteases.	2935.1	5 mg	~~117,20~~	93,70
			2935.2	25 mg	~~439,70~~	351,70
Pefabloc® SC-Protease Inhibitor	≥95 %, for biochemistry	Irreversible inhibitor of serine proteases.	A154.1	100 mg	~~93,45~~	74,70
			A154.2	500 mg	~~381,65~~	305,30
			A154.3	1 g	~~693,40~~	554,70
Pepstatin A	≥98 %, for biochemistry	Inhibitor von sauren Proteasen / Aspartatproteasen	2936.1	5 mg	~~41,40~~	33,10
			2936.2	25 mg	~~131,70~~	105,35
			2936.3	100 mg	~~424,65~~	339,70
	≥95 %, synthetic	Inhibitor von sauren Proteasen / Aspartatproteasen	39Y2.1	5 mg	~~42,90~~	34,25
			39Y2.2	25 mg	~~150,50~~	120,40
			39Y2.3	100 mg	~~516,00~~	412,80
Phenylmethyl sulphonyl fluoride	≥98 %, for biochemistry	Irreversible inhibitor of serine- and thiol proteases. Reversible effect on cysteine proteases.	6367.4	348 mg	~~19,90~~	15,90
			6367.1	5 g	~~42,90~~	34,25
			6367.2	25 g	~~138,70~~	110,90
			6367.3	100 g	~~418,20~~	334,50
Trypsin inhibitor -30 %	≥10 000 BAEE U/mg	Made from soybeans. Highly active inhibitor for trypsin, weakly inhibitory for chymotrypsin, plasmin, kallikrein, thrombin.	2949.1	25 mg	~~40,75~~	28,45
			2949.2	100 mg	~~102,70~~	71,85
			2949.3	250 mg	~~203,20~~	142,20
			2949.4	500 mg	~~349,40~~	244,55
			2949.5	1 g	~~607,40~~	425,15
	≥7 000 BAEE U/mg, salt-free	Made from soybeans. Inhibition of trypsin, chymotrypsin, plasmin, kallikrein, thrombin and other proteolytic enzymes; free from salt.	5279.1	100 mg	~~61,20~~	42,75
			5279.4	250 mg	~~131,70~~	92,15
			5279.5	500 mg	~~241,90~~	169,30
			5279.2	1 g	~~461,20~~	322,80
			5279.3	5 g	~~2203,75~~	1542,60

For safety information and additional data, see www.carlroth.com

Inhibitor cocktails

Inhibitor Cocktail Tissue

for biochemistry, EDTA free

Cocktail of protease inhibitors for extracts of mammalian cells or tissue. Without EDTA.

Inhibitor cocktail. Inhibits serine proteases, esterases, c ysteine proteases, and trypsin-like proteases.

Storage temperature: –20 °C
Transport temperature: ambient temp.

Danger H314

Art. No.	Pack Qty.	Pack.	€	€
3755.1	0.5 g	plastic	~~66,55~~	53,20

Inhibitor Cocktail Plus

ready-to-use

ready-to-use, for biochemistry, EDTA free

Broad range cocktail of protease inhibitors for extracts of mammalian cells or tissue. Without EDTA.

Inhibitor cocktail for inhibition of a broad range of proteases. Inhibits serine proteases, esterases, aminopeptidase B, leucine-aminopeptidases, cysteine proteases, trypsin-like proteases, and aspartic proteases.

1 ml is sufficient for inhibition of proteases from approx. 20 g cells or tissue.

Storage temperature: –20 °C
Transport temperature: cooled

Warning H315-H319

Art. No.	Pack Qty.	Pack.	€	€
3751.1	1 ml	plastic	~~134,40~~	107,50

Inhibitor Cocktail His-tag

ready-to-use

ready-to-use, for biochemistry, EDTA free

Broad range cocktail of protease inhibitors for extraction of His-tagged proteins. Without EDTA.

Inhibitor cocktail for inhibition of a broad range of proteases. Inhibits serine proteases, aminopeptidase B, leucine-aminopeptidases, cysteine proteases, aspartic proteases, and metalloendopeptidases.

1 ml is sufficient for inhibition of proteases from 10 g bacterial cells.

Storage temperature: –20 °C
Transport temperature: cooled

Danger H315-H318

Art. No.	Pack Qty.	Pack.	€	€
3760.1	1 ml	plastic	~~134,40~~	107,50

Inhibitor Cocktail Bacteria

for biochemistry

Broad range cocktail of protease inhibitors for extracts from bacteria.

Inhibitor cocktail for inhibition of standard proteases. Inhibits serine proteases, aminopeptidase B, leucine-aminopeptidases, metallo-proteases, cysteine proteases, and aspartic proteases.

1 kit is sufficient for inhibition of proteases from approx. 20 g *E. coli*.

Storage temperature: –20 °C
Transport temperature: ambient temp.

Danger H314-H332-H373

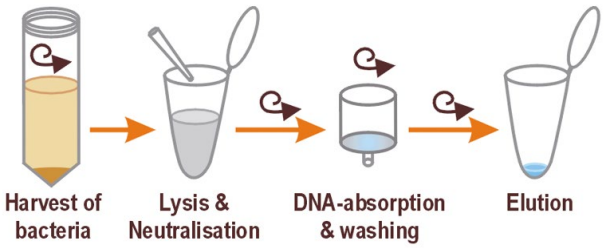
Art. No.	Pack Qty.	Pack.	€	€
3758.1	1 kit	plastic	~~138,70~~	110,90

DNA/RNA Isolation

-20 %

ROTI®Prep Kits – Column-based kits for the isolation of nucleic acids

Our ROTI®Prep kits are designed for the manual extraction of nucleic acids from various starting materials. The column-based kits enable fast, safe and uncomplicated purification of nucleic acids without the use of toxic phenol. The isolated nucleic acids are highly pure and can be used in all common subsequent applications.



ROTI®Prep Plant DNA

Kit for isolation of genomic DNA from various plant tissues.

ROTI®Prep Plant DNA is designed to isolate genomic DNA from various plant sources.
The isolation is performed from homogenised plant material, which is then treated with one of the lysis buffers included in the kit. The kit contains three different lysis buffers in order to optimally cope with the diversity of plant starting materials.

Possible basic material:

- Blossoms
- Leaves
- Roots
- Stems
- Wooden parts
- Seeds
- Grains

Storage temperature: +15 to +25 °C

Danger H225-H315-H317-H319-H334-H335-H336-H410

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
20H4.1	10 preparations	1 kit	cardboard	~~77,95~~	**62,35**
20H4.2	50 preparations	1 kit	cardboard	~~278,45~~	**222,70**
20H4.3	250 preparations	1 kit	cardboard	~~919,15~~	**735,30**

ROTI®Prep Genomic DNA MINI

Kit for isolation of genomic DNA from tissues, rodent tails, FFPE tissues, buccal swabs, cell cultures.

Roti®Prep Genomic DNA MINI has been developed for the isolation of genomic DNA from various sources.
The isolation is carried out through the proven and reliable spin column technique, which is very easy to handle and needs only few steps.

Possible basic material:

- Tissue (up to 40 mg)
- Rodent tails (0,5–1 cm)
- FFPE tissue (formalin-fixed, paraffin-embedded)
- Buccal swabs
- Cell culture (up to $5x10^6$ cells)

Storage temperature: +15 to +25 °C
Transport temperature: ambient temp.

Danger H225-H315-H317-H319-H334-H335-H336

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
8472.1	10 preparations	1 kit	cardboard	~~64,40~~	**51,45**
8472.2	50 preparations	1 kit	cardboard	~~213,95~~	**171,10**
8472.3	250 preparations	1 kit	cardboard	~~772,95~~	**618,30**

ROTI®Prep Forensic

Kit for the isolation of genomic DNA from forensic samples.

ROTI®Prep Forensic Kit has been developed for the rapid and efficient isolation of genomic DNA from forensic samples such as hair or hair roots, blood, saliva or sperm stains, fingernails, cigarette butts, chewing gum, buccal swabs, stamps, envelopes, and fingerprints on various surfaces.

Possible basic material:

- Swabs from various surfaces (e.g., cups, bottles, etc.)
- Blood samples
- Semen samples
- Hair, hair roots, or beard
- Envelopes
- Fingernails
- Cigarette butts or paper
- Chewing gum
- Tissue samples

Storage temperature: +15 to +25 °C/+4 °C (see components)
Transport temperature: ambient temp.

Danger H225-H302-H314-H317-H334-H335-H336-H412-EUH032

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
379P.1	10 preparations	1 kit	cardboard	~~64,40~~	**51,45**
379P.2	50 preparations	1 kit	cardboard	~~224,70~~	**179,70**
379P.3	250 preparations	1 kit	cardboard	~~747,15~~	**597,70**

ROTI®Prep DNA & RNA Mini

Kit for simultaneous isolation of DNA and RNA from different starting materials.

ROTI®Prep DNA & RNA was developed to isolate both DNA and RNA separately from only one sample.
The isolation is based on the lysis of a starting sample, the lysate of which is first filtered through a centrifugation column, to the membrane of which the DNA is bound. The filtrate is then transferred to a second centrifugation column, which binds the RNA. The bound DNA and RNA are washed separately in the following steps and collected in separate reaction vessels at the end.

Possible basic material:

- Microbial cell cultures (max. $1x10^9$)
- Fungi and eukaryotic cell cultures (max. $5x10^6$)
- Tissue samples (up to 20 mg)

Storage temperature: +15 to +25 °C

Danger H302+H312+H332-H314-H412-EUH032

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
20H8.1	10 preparations	1 kit	cardboard	~~75,15~~	**60,05**
20H8.2	50 preparations	1 kit	cardboard	~~310,70~~	**248,50**
20H8.3	250 preparations	1 kit	cardboard	~~1149,20~~	**919,30**

DNA/RNA Isolation

-20 %

Precipitation & Concentration

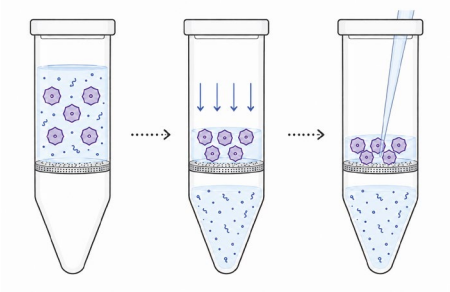
Centrifugation Filters ROTI®Spin

For purification and concentration of biomolecules and for purification of solutions.

Type:

- ROTI®Spin MINI: 1.5 ml sample tube for up to 500 µl sample
- ROTI®Spin MIDI: 15 ml sample tube for up to 5 ml sample
- ROTI®Spin MAXI: 50 ml sample tube for up to 15 ml sample

Centrifugal filters for ultrafiltration of biomolecules. The membranes made of highly chemical-resistant polyethersulfone have been tightly sealed to prevent leakage and loss of samples. Furthermore, the membranes underwent special treatment minimising the binding of biomolecules, in order to optimise sample recovery rates.
ROTI®Spin Centrifugal filters can be applied to a variety of applications and can be used to replace tedious and labour-intensive methods like gel filtration, gel purification or precipitation. Application is time-saving and very simple - only few centrifugal steps are necessary to concentrate and recover your sample. During this, the sample remains untouched in the upper reservoir, and cross-contamination is efficiently prevented even when large numbers of samples are handled.



Application examples

Desalting or buffer exchange following restriction digest, PCR or such; separation of free nucleotides and polymerised DNA; removal of contaminating compounds (like DNA) from stock solutions (e.g. PCR-buffers); concentration of DNA or proteins; separation of proteins of different size; sample preparation prior to HPLC.

Overview for selecting the appropriate pore size

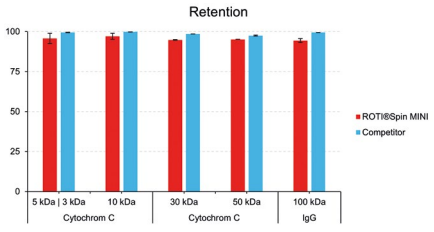
MWCO	Molecule size	DNA size
10 kDa	30 – 90 kDa	50 – 200 bp
30 kDa	90 – 180 kDa	200 – 500 bp
50 kDa	150 – 300 kDa	500 bp – 1 kb
100 kDa	>300 kDa	>1 kb

ROTI®Spin MINI

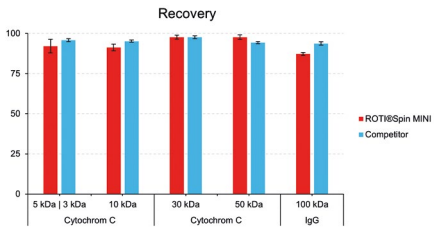
NEW / +

Sample volumes:
Initial volume: 50-500 µl
Final volume: 10-20 µl

MWCO:
Centrifugation units with membranes in 5 different molecular weight cut-offs (MWCO) are available for specific applications.
Select the appropriate MWCO according to the following rule of thumb:
Purification of proteins/peptides:
MWCO ≤1/3 of the sample molecule size.
Purification of nucleic acids:
MWCO ≤½ of the sample molecule size.



Retention rate (%) of ROTI®Spin MINI compared to a reference product. Ultrafiltration tubes with MWCO from 3 kDa to 100 kDa with corresponding proteins were tested.



Recovery rate (%) of ROTI®Spin MINI compared to a reference product. Ultrafiltration tubes with MWCO from 3 kDa to 100 kDa with corresponding proteins were tested.



General properties:

- Suitable for nucleic acids, proteins/peptides, other biomolecules >200 kDa, and very small bioparticles
- Replaces standard applications such as precipitation, dialysis, gel filtration, gel purification, column chromatography, gradient centrifugation, etc.
- Gentle: no shearing of DNA up to 100 kb, proteins remain native and enzymatically active
- Can be used without restriction on labeled samples (isotope, fluorescence, chromogenic labeling)
- Very high recovery rates: with a suitable MWCO, the yield is >90%.

Not a medical device / Not an IVD product

MWCO (kDa)	Art. No.	Pack Qty.	€	€
5	**3L59.1**	25 unit(s)	~~124,70~~	**99,75**
5	**3L59.2**	96 unit(s)	~~398,85~~	**319,05**
5	**3L59.3**	500 unit(s)	~~1827,50~~	**1462,00**
10	**3L5A.1**	25 unit(s)	~~124,70~~	**99,75**
10	**3L5A.2**	96 unit(s)	~~398,85~~	**319,05**
10	**3L5A.3**	500 unit(s)	~~1827,50~~	**1462,00**
30	**3L5C.1**	25 unit(s)	~~124,70~~	**99,75**
30	**3L5C.2**	96 unit(s)	~~398,85~~	**319,05**
30	**3L5C.3**	500 unit(s)	~~1827,50~~	**1462,00**
50	**3L5E.1**	25 unit(s)	~~124,70~~	**99,75**
50	**3L5E.2**	96 unit(s)	~~398,85~~	**319,05**
50	**3L5E.3**	500 unit(s)	~~1827,50~~	**1462,00**
100	**3L5H.1**	25 unit(s)	~~124,70~~	**99,75**
100	**3L5H.2**	96 unit(s)	~~398,85~~	**319,05**
100	**3L5H.3**	500 unit(s)	~~1827,50~~	**1462,00**

Horizontal Electrophoresis

-20 %

① 50 bp-DNA-Ladder ready-to-use

ready-to-use, not prestained

Number of lanes per ml: approx. 200 (mini gels)

Art. No.	Pack Qty.	Pack.	€	€
2810.1	500 µl	plastic	~~145,15~~	116,10

② 100 bp-DNA-Ladder *equimolar*

lyophilised, not prestained

Number of lanes per 100 µg: approx. 200 (mini gels)

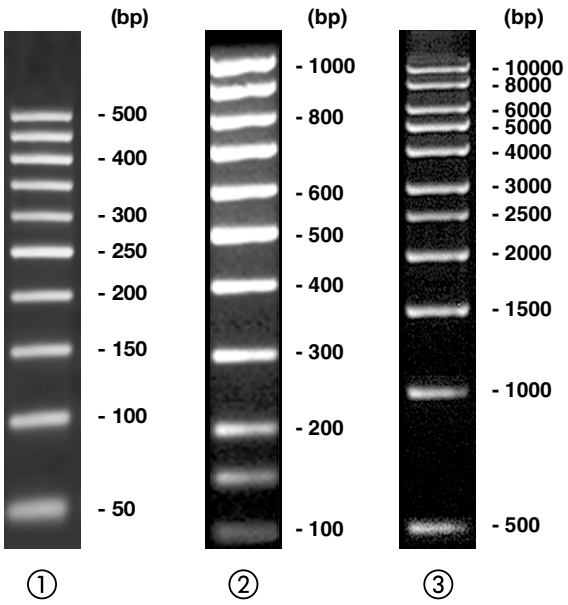
Art. No.	Packaging	Pack Qty.	Pack.	€	€
T834.1	1 x 50 µg	50 µg	plastic	~~104,85~~	83,85
T834.2	4 x 50 µg	200 µg	plastic	~~385,95~~	308,70

③ 1 kbp DNA-Ladder

lyophilised, not prestained

Number of lanes per 100 µg: approx. 200 (mini gels)

Art. No.	Packaging	Pack Qty.	Pack.	€	€
Y014.1	50 µg	50 µg	plastic	~~50,45~~	40,30
Y014.2	4x 50 µg	200 µg	plastic	~~172,00~~	137,60



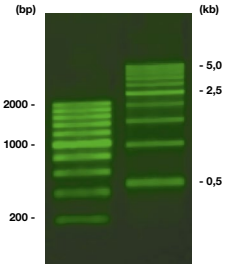
ready-to-use

-25 %

ROTI®Load DNAstain Green

Loading bufer with the fluorescent dye BrightGreen for staining of double stranded nucleic acid in agarose and polyacrylamide gels.

- Alternative for ethidium bromide, non-toxic, non-mutagen
- 20 times more sensitive than ethidium bromide, up to 0.01 ng nucleic acid per band
- For use with common broad-band ethidium bromide photo filters
- Excitation possible via UV light (254 nm) and blue light (495 nm)
- Compatible with all usual down-stream applications.



Art. No.	Packaging	Pack Qty.	Pack.	€	€
1CN5.1	1 x 1.8 ml	1.8 ml	plastic	~~56,90~~	42,60
1CN5.2	5 x 1.8 ml	9.0 ml	plastic	~~177,40~~	133,00

Art. No.	Packaging	Pack Qty.	Pack.	€	€
1CN6.1	1 x 1.8 ml	1.8 ml	plastic	~~56,90~~	42,60
1CN6.2	5 x 1.8 ml	9.0 ml	plastic	~~177,40~~	133,00

Art. No.	Packaging	Pack Qty.	Pack.	€	€
1CN7.1	1 x 1.8 ml	1.8 ml	plastic	~~56,90~~	42,60
1CN7.2	5 x 1.8 ml	9.0 ml	plastic	~~177,40~~	133,00

ready-to-use

ROTIPHORESE® 50x TAE Buffer



ROTIPHORESE® 50x conc.

Running buffer in DNA agarose gel electrophoresis..

TAE buffer has a lower buffer capacity than TBE and can be used with higher voltages, longer gels and larger DNA fragments.
The gels heat up during running to a lesser extent than when using the running buffer TBE. DNA migrates in TAE gel about twice as fast as in TBE buffered gels.

2 M TRIS acetate., 50 mM EDTA., distilled, deionized water.,
Remark: The product may crystallise.
Can be redissolved by heating (max. 40 °C).

Art. No.	Packaging	Pack Qty.	Pack.	€	€
CL86.1	1 x 1 l	1 l	glass	~~81,60~~	65,25
CL86.3	1 x 2.5 l	2.5 l	glass	~~149,45~~	119,50
CL86.2	1 x 5 l	5 l	plastic	~~231,15~~	184,90

-30 %



SEKUROKA® Decon-Bags

Carl ROTH.

Adsorber bags for removal of ethidium bromide from liquids.

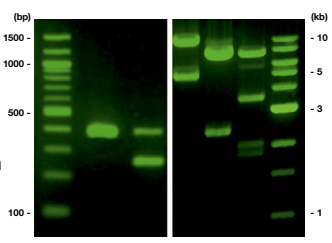
Suitable for adsorption of ethidium bromide, propidium iodide, PicoGreen® and SYBR® Green.

Art. No.	Pack Qty.	Pack.	€	€
T856.2	10 unit(s)	bag	~~32,15~~	22,45
T856.1	50 unit(s)	box	~~138,70~~	97,05
T856.3	250 unit(s)	box	~~590,20~~	413,10

ready-to-use

ROTI®GelStain

20 000x conc., ready-to-use



For non-toxic fluorescent staining of nucleic acids in agarose gels. Green fluorescence. Direct addition to the agarose solution.

- Green fluorescence
- Alternative for ethidium bromide, non-toxic and non-mutagenic
- For dsDNA, ssDNA and RNA
- Sensitivity comparable to ethidium bromide (approx. 0.3 ng / band)
- For use with common broad-band ethidium bromide photo filters

Art. No.	Packaging	Pack Qty.	Pack.	€	€
3865.1	1 x 1 ml	1 ml	plastic	~~138,70~~	110,90
3865.2	5 x 1 ml	5 ml	plastic	~~596,65~~	477,30

Vertical Electrophoresis

-20 %

ROTIPHORESE® gel solutions

Our ready-to-use acrylamide solutions

Product name	Purity	General application	Pack.	Art. No.	Pack Qty.	€	€
ROTIPHORESE®Gel 30 (37.5:1) -30 %	30 %, ready-to-use, gas-stabilized	Aqueous acrylamide and bisacrylamide stock solution at a ratio of 37,5:1 for preparation of protein gels.	glass	**3029.3**	250 ml	~~34,30~~	**23,95**
			plastic	**3029.5**	250 ml	~~36,45~~	**25,45**
			glass	**3029.2**	500 ml	~~52,15~~	**36,50**
			plastic	**3029.4**	500 ml	~~56,45~~	**39,50**
			glass	**3029.1**	1 l	~~88,70~~	**62,05**
ROTIPHORESE®Gel 40 (29:1)	40 %, ready-to-use, gas-stabilized	Aqueous acrylamide and bisacrylamide stock solution at a ratio of 29:1 for preparation of protein- or DNA gels.	glass	**A515.2**	250 ml	~~45,05~~	**36,00**
			plastic	**A515.4**	250 ml	~~47,20~~	**37,70**
				A515.3	500 ml	~~73,00~~	**58,35**
			glass	**A515.1**	1 l	~~109,70~~	**87,70**
ROTIPHORESE®Gel 40 (19:1)	40 %, ready-to-use, gas-stabilized	Aqueous acrylamide and bisacrylamide stock solution at a ratio of 19:1 for preparation of DNA gels.	glass	**3030.2**	250 ml	~~42,90~~	**34,25**
			plastic	**3030.4**	250 ml	~~45,70~~	**36,55**
				3030.3	500 ml	~~67,65~~	**54,05**
			glass	**3030.1**	1 l	~~103,10~~	**82,45**

Safety information and additional data at www.carlroth.com

ready-to-use -25 %



ROTI®Blue

5x conc.

Colloidal Coomassie® staining solution for protein gels..

Art. No.	Pack Qty.	Pack.	€	€
A152.2	250 ml	plastic	~~42,50~~	**31,80**
A152.1	1 l	plastic	~~123,65~~	**92,70**

ready-to-use -25 %



ROTI®Blue quick

1x conc., ready-to-use

For rapid, sensitive staining of protein gels..

Art. No.	Pack Qty.	Pack.	€	€
4829.1	250 ml	glass	~~112,90~~	**84,65**
4829.2	1 l	glass	~~428,95~~	**321,65**

Ponceau S (C.I. 27195)

for histology and electrophoresis

For reversible protein staining on membranes and for microscopy.

Suitable for NC and PVDF membranes as well as prior to Western analyses.

Warning H315-H319-H335

Art. No.	Pack Qty.	Pack.	€	€
5938.2	10 g	glass	~~35,40~~	**28,25**
5938.1	25 g	glass	~~73,00~~	**58,35**

NEW / + ready-to-use -30 %

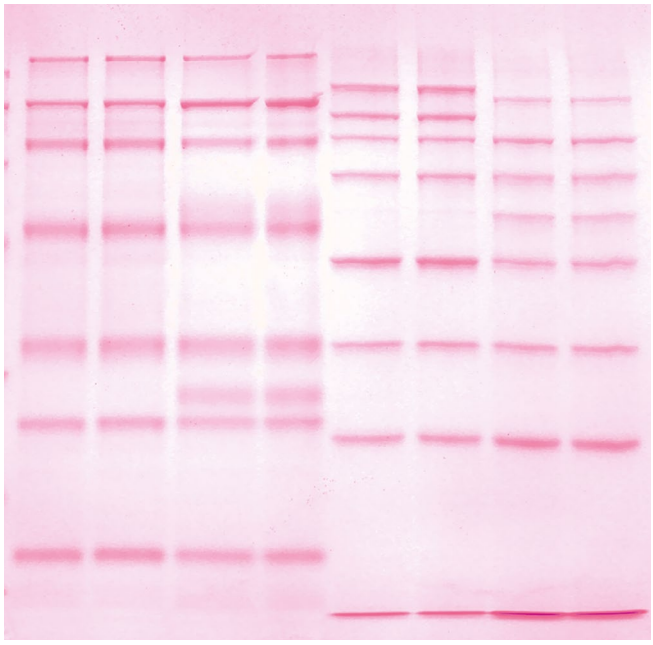
ROTIPHORESE® Ponceau S

ROTIPHORESE® ready-to-use, for electrophoresis

Carl ROTH.

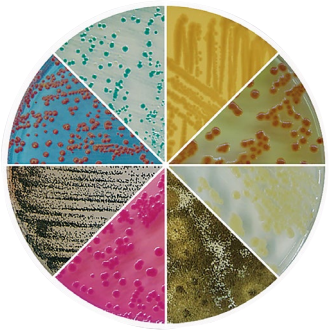
Ready-to-use staining solution for detecting proteins on NC and PVDF membranes.

Art. No.	Pack Qty.	€	€
3P8K.1	500 ml	~~69,90~~	**48,90**
3P8K.2	1 l	~~102,15~~	**71,45**



Nutrient media additives for microbiology

-20 %





Discover the wide range of culture media additives that specifically support the growth and identification of microorganisms – for precise and reliable microbiological analyses.

Product name	General application	Art. No.	Pack Qty.	€	€
Ammonium iron(III) citrate solution	Media supplement for detection of *Listeria monocytogenes*.	**3130.1**	20 ml	~~58,60~~	**46,85**
Campylobacter Preston Supplement	For selective isolation of *Campylobacter spp.*	**8851.1**	10 unit(s)	~~521,40~~	**417,10**
Clostridium perfringens Supplement	Media supplement for selective isolation of *Clostridium perfringens.*	**CL52.1**	10 unit(s)	~~332,20~~	**265,70**
Egg Yolk Tellurite Emulsion	Media supplement for preparation of egg yolk tellurite agar, for detection of *Staphylococcus aureus*.	**0339.1**	100 ml	~~75,15~~	**60,05**
Kovacs' Reagent	Media supplement for detection of microbial indole.	**2950.1**	100 ml	~~65,50~~	**52,35**
Legionella BCYE Growth Supplement	Growth supplement for isolation of *Legionella.*	**CL49.1**	1 set	~~338,65~~	**270,90**
Listeria Chromo Lipase C Supplement	Media supplement for selective isolation of *Listeria*.	**2948.1**	10 unit(s)	~~155,90~~	**124,70**
Listeria Chromo Selective Supplement	Media supplement for selective isolation of *Listeria*.	**2947.1**	10 unit(s)	~~155,90~~	**124,70**
Listeria Oxford Supplement	Media supplement for selective isolation of *Listeria monocytogenes.*	**5801.1**	10 unit(s)	~~321,45~~	**257,10**
Listeria Palcam Supplement	Media supplement for selective isolation of *Listeria monocytogenes.*	**5803.1**	10 unit(s)	~~177,40~~	**141,90**
RPF Supplement	Media supplement for identification and enumeration of *Staphylococcus aureus.*	**6064.1**	10 unit(s)	~~590,20~~	**472,10**
TTC-Supplement	Media supplement for identification of coliform enterobacteria.	**CP72.1**	500 mg	~~110,20~~	**88,15**

Safety information and additional data at www.carlroth.com

-30 %

Microbiological rinsing solutions



For membrane filtration, sterility tests, and other microbiological analyses.

With our ready-to-use Fluids A, D and K, we offer you the right solution for reliable microbiological analyses and sterility testing according to **Ph. Eur.** and **USP**. Whether for standard applications, oil-containing samples, or preserved and antimicrobial products – our fluids support safe sample preparation, optimal membrane filtration, and reliable neutralization of inhibitory substances. Efficient, user-friendly, and perfectly tailored to the requirements of your microbiology laboratory.

Product name	Purity	Suitable for	Art. No.	Pack Qty.	€	€
Fluid A	acc. to Ph. Eur./USP, ISO 11133, *ready-to-use*, sterile, for microbiology	Suitable for standard applications in microbiological testing and sterility testing, as well as general sample preparation and membrane filtration.	**37E6.1**	180 ml	~~61,20~~	**42,75**
			37E6.2	1 l	~~87,65~~	**61,30**
			37E6.3	3 l	~~123,65~~	**86,50**
Fluid D	acc. to Ph. Eur./USP, ISO 11133, *ready-to-use*, sterile, for microbiology	Suitable for fat- and oil-containing samples as well as products with lipophilic components, where improved wetting and emulsification are required.	**37E7.1**	1 l	~~87,65~~	**61,30**
Fluid K	acc. to Ph. Eur./USP, ISO 11133, *ready-to-use*, sterile, for microbiology	Suitable for preserved or antimicrobial products where reliable neutralization of inhibitory substances and the recovery of microorganisms are required.	**37E8.1**	1 l	~~96,65~~	**67,60**

Safety information and additional data at www.carlroth.com

Dyes

-20 %

Carl ROTH offers a wide range of staining agents in a tried and tested quality – for use in botany, bacteriology, histology and cell culture.



Giemsa stain

for microscopy

Mixture of Azure and Eosin for preparing Giemsa solution.
It is used for staining blood and bone marrow smears.
Ingredient of the Giemsa stock solution (Art. No. T862).

Warning H319

Art. No.	Pack Qty.	Pack.	€	€
7691.1	5 g	glass	~~22,05~~	**17,60**
7691.2	25 g	glass	~~41,40~~	**33,10**
7691.3	100 g	glass	~~112,90~~	**90,30**

Eosin Y (C.I. 45380)

for microscopy

Eosin Y is a slightly acid fluorescent dye, which stains cytoplasm red. It is soluble in alcohol and water (usual concentrations: 0.5–2.0 %). Manifold use, e.g. for hematoxylin-eosin (H&E) staining, spore staining etc.

Excitation maximum: 534 nm
Emission maximum: 544 nm

Dissolve 0.5–2.0 % in water or ethanol.

Warning H317-H319

Art. No.	Pack Qty.	Pack.	€	€
7089.1	50 g	glass	~~50,00~~	**39,95**
7089.2	100 g	glass	~~87,65~~	**70,05**
7089.3	500 g	glass	~~284,90~~	**227,90**

Hematoxylin (C.I. 75290)

-30 %

for microscopy

For staining of cell nuclei.

A beige natural dye which achieves its active form, the hemalum, by oxidation (e.g. with sodium iodate) and treating with a metallic mordant (e.g. alum). Hemalum lakes stain cell nuclei blue.

Warning H319

Art. No.	Pack Qty.	Pack.	€	€
3816.1	10 g	glass	~~68,70~~	**48,05**
3816.3	50 g	glass	~~267,70~~	**187,35**
3816.2	100 g	glass	~~482,70~~	**337,85**

DAPI

-30 %

≥98 %, p.a.

For DNA-staining.

Fluorescent dye with specific DNA-binding capacity. For detection of mycoplasms in cell culture, for quantitative DNA measurement, and for chromosome counter staining. Store in the dark!

Working concentration

Nucleus staining in living cells: approx. 1 µg/ml in medium
Nucleus staining in fixed cells or fixed tissue sections: approx. 0.2 µg/ml in PBS, TBS or another incubation buffer
Detection of mycoplasms: 1 µg/ml in methanol
Excitation maximum: 359 nm
Emission maximum: 461 nm

Stock solution: 1 to 10 mg/ml in sterile water.
Store in the dark! Stabile for one year when solubilised, stored at –20 °C, and protected from light.

Storage temperature: –20 °C
Transport temperature: ambient temp.

Art. No.	Pack Qty.	Pack.	€	€
6335.1	25 mg	glass	~~123,65~~	**86,50**
6335.2	100 mg	glass	~~353,70~~	**247,55**

Nuclear fast red (C.I. 60760)

for microscopy

Nucleic acid dye, ingredient of the nuclear fast red aluminium sulphate solution (Art. No. N069).

Art. No.	Pack Qty.	Pack.	€	€
7728.1	1 g	glass	~~37,55~~	**29,95**
7728.2	5 g	glass	~~112,90~~	**90,30**
7728.3	10 g	glass	~~198,90~~	**159,10**

Acid fuchsin (C. I. 42685)

for microscopy

Used as plasma stain in 0.5-1.0 % aqueous solution

Danger H314

Art. No.	Pack Qty.	Pack.	€	€
T128.2	1 g	glass	~~24,20~~	**19,35**
T128.1	10 g	glass	~~55,40~~	**44,25**
T128.3	25 g	glass	~~84,40~~	**67,50**

Mounting Media

-20 %

The classical mounting media for producing durable sections in microscopy.
Carl ROTH offers **synthetic mounting media** like the proved ROTI®Histokitt and **natural balsams** like the classic Canada balsam.

ROTI®Histokitt

ready-to-use

ready-to-use, for histology

Synthetic mounting medium. Compatible with ROTI®Histol (Art. No. 6640).

- Quick drying
- Not suitable for aqueous samples!
- Refractive index: 1.4930-1.4960

Danger H225-H315-H336-H361d-H373

Art. No.	Pack Qty.	Pack.	€	€
6638.1	100 ml	glass	~~18,85~~	15,05
6638.2	500 ml	glass	~~50,00~~	39,95

ROTI®Histokitt II

ready-to-use

ready-to-use, for histology

Synthetic mounting medium. Compatible with xylene (e.g. Art. No. 9713).

- Quick drying
- Not suitable for aqueous samples!
- Adapted for embedding machines!
- Typical refractive index: 1.4930-1.4960

Warning H226-H312+H332-H315-H319-H335-H373-EUH208

Art. No.	Pack Qty.	Pack.	€	€
T160.1	100 ml	glass	~~17,75~~	14,15
T160.2	500 ml	glass	~~50,45~~	40,30

Euparal

ready-to-use

ready-to-use, for microscopy

- Alternative to Canada Balsam
- Embedding already from alcohol 80 %
- **Do not use organic solvents!**
- Refractive index for liquid Euparal: 1.483
- Refractive index for completely solidified Euparal: 1.535

Danger H226-H315-H317-H318-H371

Art. No.	Pack Qty.	Pack.	€	€
7356.1	100 g	glass	~~73,00~~	58,35
7356.2	500 g	glass	~~295,65~~	236,50

Euparal essence

ready-to-use

ready-to-use, for microscopy

Diluent and solvent for Euparal (Art. No. 7356).

Danger H226-H315-H318-H335-H371

Art. No.	Pack Qty.	Pack.	€	€
A145.1	100 ml	glass	~~61,20~~	48,90

Our new xylene- and toluene-free mounting medium – an alternative to ROTI®Mount

-25 %

ROTI®Mount Neo

NEW / + ready-to-use

ROTI®HistoGreen ready-to-use, for histology

Synthetic mounting medium. Compatible with ROTICLEAR® (Art. No. 230W).

- **Free from xylene and toluene**
- Not suitable for aqueous samples!
- Refractive index: 1.43 - 1.45
- Drying time: 2–4 h
  (allow to dry overnight for complete drying)

Danger H304-EUH066

Art. No.	Pack Qty.	Pack.	€	€
230U.1	500 ml	plastic	~~75,15~~	56,30



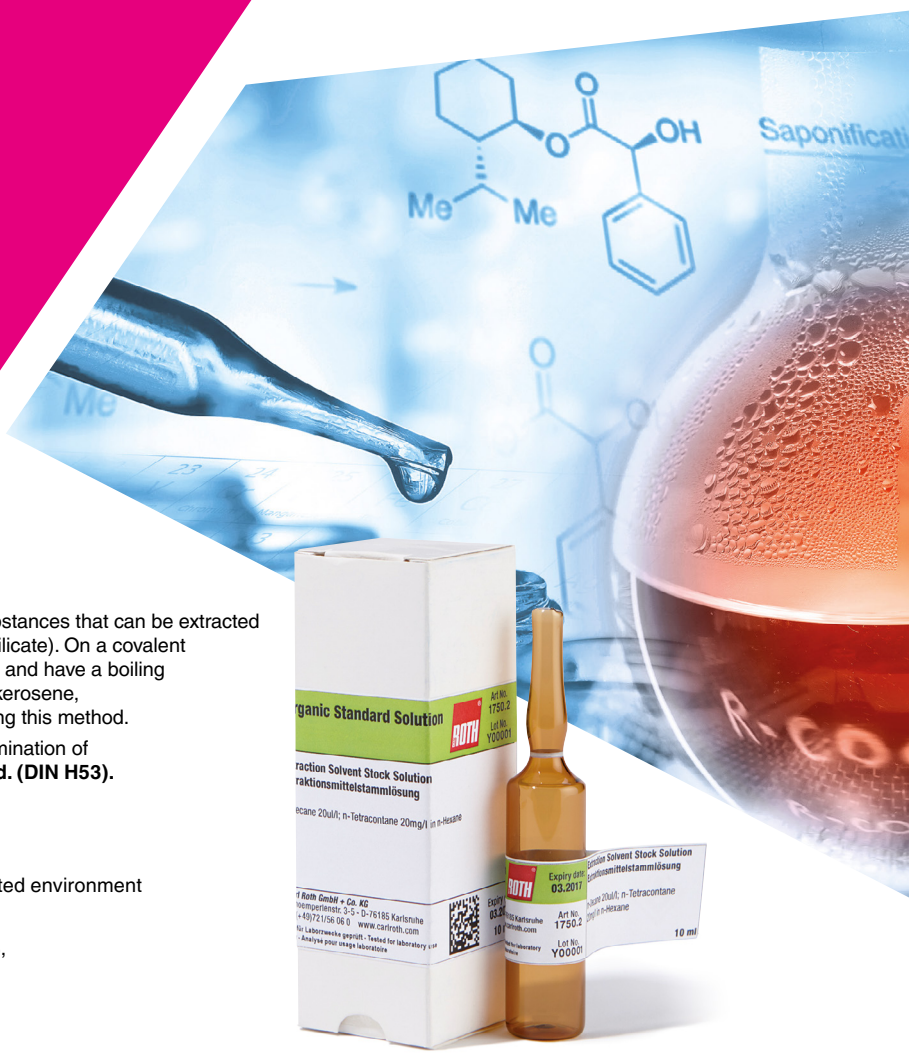
Phone

+49 721 / 56 06 510 · info@carlroth.com

Chemicals

TOP Offers

-20 %



Hydrocarbon Index

Determination of the Hydrocarbon Index

The hydrocarbon index is defined as the total of all organic substances that can be extracted with hexane, but cannot be adsorbed in Florisil® (magnesium silicate). On a covalent GC column, these elute between *n*-decane and *n*-tetracontane and have a boiling range of 175–525 °C. These include heating oils, diesel fuels, kerosene, lubricants and transmission fluids. Petrols are not detected using this method.

Carl ROTH offers an extensive range of products for the determination of the hydrocarbon index in accordance with **EN ISO 9377-2-Mod. (DIN H53).**

Standards
According to **EN ISO 9377-2-Mod. (DIN H53)**

- Manufactured in accordance with **ISO 17034** in an accredited environment
- Tested in a laboratory accredited to **ISO/IEC 17025**
- Ideal for calibration of GC-FID, GC-TCD, GC-ECD, GC-MS, GC-MS/MS, LC-UV, LC-MS and LC-MS/MS
- With an detailed, batch-related certificate of analysis

Product name	Purity	Pack.	Art. No.	Pack Qty.	€	€
Diesel	≥99 %	glass ampoule	**1PHK.1**	1 ml	~~118,25~~	**94,60**
		glass	**1PHK.2**	100 ml	~~525,70~~	**420,50**
			1PHK.3	250 ml	~~751,45~~	**601,10**
n-Alkane standard solution (C_{10}-C_{40}, all even)	16 components (each 50 mg/l) in *n*-hexane	glass ampoule	**1772.1**	1 ml	~~161,25~~	**129,00**
			1772.2	5 ml	~~241,90~~	**193,50**
	16 components (each 100 mg/l) in *n*-hexane/petroleum ether	glass ampoule	**9331.1**	5 ml	~~353,70~~	**282,90**
n-Alkane standard solution (C_7, C_8, C_9, C_{10}-C_{40}, all even)	19 components (each 50 mg/l) in isooctane	glass ampoule	**9629.1**	5 ml	~~1342,70~~	**1074,10**
Extraction solvent stock solution	20 µl/l *n*-decane and 20 mg/l *n*-tetracontane in *n*-hexane	glass ampoule	**1750.2**	10 ml	~~161,25~~	**129,00**
Florisil® quality control standard	1 000 mg/l mineral oil and diesel in *n*-hexane	glass ampoule	**9334.1**	5 ml	~~104,20~~	**83,30**
Standard mixture of mineral oils	500 mg/l mineral oil and diesel in acetone	glass ampoule	**1774.2**	5 ml	~~150,50~~	**120,40**
	5 000 mg/l mineral oil and diesel in *n*-hexane	glass ampoule	**1773.2**	5 ml	~~134,40~~	**107,50**
	10 000 mg/l mineral oil and diesel in *n*-hexane	glass ampoule	**1XX9.1**	5 ml	~~177,40~~	**141,90**
			1XX9.2	10 ml	~~278,45~~	**222,70**
	50 000 mg/l mineral oil and diesel in *n*-hexane	glass ampoule	**1LCE.1**	1 ml	~~252,65~~	**202,10**
			1LCE.2	5 ml	~~955,70~~	**764,50**
	10 000 mg/l mineral oil and diesel in *n*-heptane	glass ampoule	**1XXA.1**	10 ml	~~278,45~~	**222,70**
	50/50 mineral oil and diesel, solvent-free	glass ampoule	**1LCH.1**	1 ml	~~150,50~~	**120,40**
			1LCH.2	5 ml	~~278,45~~	**222,70**
Stearyl stearate test solution	2 000 mg/l in *n*-hexane	glass ampoule	**1760.2**	10 ml	~~170,95~~	**136,70**

For safety information and additional data, see www.carlroth.com

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Conductivity Standards

-15 %

by Hamilton

Standards for Conductivity Measurement

Hamilton conductivity standards are high-purity calibration solutions that ensure accurate and reliable verification of conductivity sensors. Offered in a diverse range of values, these standards are ideal for a multitude of applications across industries such as pharmaceutical, chemical, food and beverage, and environmental monitoring.
Hamilton is the first manufacturer to offer patented conductivity standards of 1.3 and 5 µS/cm with a certified accuracy of ±1% and a lifetime of 1 and 3 years respectively. They can be used repeatedly under the condition that the bottle is not left open for more than 1 hour in total.



Purity	Certified according to	Art. No.	Pack Qty.	€	€
1.3 µS/cm (25 °C), glycerine-based	ISO 17025 DAkkS/DANAK, ISO 17034	**29WM.1**	250 ml	~~203,20~~	**172,70**
5 µS/cm (25 °C), glycerine-based	ISO 17025 DAkkS/DANAK, ISO 17034	**29WN.1**	250 ml	~~192,45~~	**163,55**
15 µS/cm (25 °C), glycerine-based	ISO 17025 DAkkS/DANAK, ISO 17034	**29WP.1**	250 ml	~~170,95~~	**145,25**
84 µS/cm (25 °C), water-based	ISO 17025 DAkkS/DANAK	**29WT.1**	500 ml	~~84,95~~	**72,15**
100 µS/cm (25 °C), glycerine-based	ISO 17025 DAkkS/DANAK, ISO 17034	**29WU.1**	250 ml	~~160,20~~	**136,15**
147 µS/cm (25 °C), water-based	ISO 17025 DAkkS/DANAK	**29WW.1**	500 ml	~~84,95~~	**72,15**
706 µS/cm (25 °C), glycerine-based	ISO 17025 DAkkS/DANAK	**29WX.1**	250 ml	~~160,20~~	**136,15**
1413 µS/cm (25 °C), glycerine-based	ISO 17025 DAkkS/DANAK	**29WY.1**	250 ml	~~117,20~~	**99,60**
1413 µS/cm (25 °C), water-based	ISO 17025 DAkkS/DANAK	**29XU.1**	500 ml	~~84,95~~	**72,15**
12 880 µS/cm (25 °C), water-based	ISO 17025 DAkkS/DANAK	**29XG.1**	500 ml	~~84,95~~	**72,15**
100 000 µS/cm (25 °C), glycerine-based	ISO 17025 DAkkS/DANAK	**29XM.1**	250 ml	~~138,70~~	**117,85**

For safety information and additional data, see www.carlroth.com

NMR Solvents

-20 %

NMR Spectroscopy

Deuterated compounds are mainly used in NMR spectroscopy to characterise organic structures. This has the advantage of virtually eliminating solvent signals. In addition, acidic protons can be exchanged for deuterium to make it easier to assign the signals.

Application examples:

- Routine tasks such as structure determination and identity verification in research and development laboratories
- Elucidation of reaction mechanisms and metabolisms
- For GC-MS or LC-MS as internal standards

Properties:

- High degree of deuteration
- High purity of the starting compound
- Defined water content
- Filled under protective gas (nitrogen), except for compounds containing TMS

Product name	Purity	Art. No.	Pack Qty.	€	€
Acetone D6	99,8 Atom%D	**AE51.3**	7.5 ml	~~102,70~~	**82,10**
		AE51.1	10 ml	~~99,45~~	**79,55**
		AE51.4	10 ml	~~101,60~~	**81,25**
		AE51.5	25 ml	~~224,70~~	**179,70**
		AE51.2	50 ml	~~392,40~~	**313,90**
	99,5 Atom%D	**7909.1**	10 ml	~~83,75~~	**66,95**
		7909.2	50 ml	~~332,20~~	**265,70**
Acetonitrile D3	99,8 Atom%D	**7911.2**	7.5 ml	~~132,25~~	**105,75**
		7911.1	10 ml	~~127,95~~	**102,30**
		7911.3	25 ml	~~273,05~~	**218,40**
	99,5 Atom%D	**AE52.1**	10 ml	~~110,20~~	**88,15**
		AE52.3	10 ml	~~112,90~~	**90,30**
		AE52.2	25 ml	~~231,15~~	**184,90**
Deuterium oxide	100 Atom%D	**HN81.3**	7.5 ml	~~90,20~~	**72,10**
		HN81.1	10 ml	~~83,75~~	**66,95**
		HN81.4	10 ml	~~87,65~~	**70,05**
		HN81.2	50 ml	~~284,90~~	**227,90**
	99,9 Atom%D	**6672.6**	7.5 ml	~~78,40~~	**62,65**
		6672.1	10 ml	~~50,00~~	**39,95**
		6672.5	10 ml	~~67,65~~	**54,05**
		6672.2	25 ml	~~83,35~~	**66,65**
		6672.3	100 ml	~~284,90~~	**227,90**
		6672.4	500 ml	~~1316,90~~	**1053,50**
		6672.7	1 l	~~2596,15~~	**2076,90**
N,N-Dimethylformamide D7	99,5 Atom%D	**CP92.2**	1 ml	~~110,20~~	**88,15**
		CP92.1	5 ml	~~360,15~~	**288,10**
Dimethyl sulphoxide D6	99,9 Atom%D	**7915.3**	7.5 ml	~~84,40~~	**67,50**
		7915.1	10 ml	~~79,05~~	**63,20**
		7915.2	10 ml	~~82,25~~	**65,75**
	99,8 Atom%D	**AE56.3**	7.5 ml	~~70,45~~	**56,30**
		AE56.1	10 ml	~~67,65~~	**54,05**
		AE56.4	10 ml	~~69,35~~	**55,45**
		AE56.6	25 ml	~~137,10~~	**109,65**
		AE56.2	50 ml	~~249,95~~	**199,95**
		AE56.5	100 ml	~~471,95~~	**377,50**



Product name	Purity	Art. No.	Pack Qty.	€	€
Methanol D1	99,5 Atom%D	**HN86.1**	25 ml	~~107,40~~	**85,85**
		HN86.2	100 ml	~~370,90~~	**296,70**
Methanol D4	99,8 Atom%D	**AE57.3**	7.5 ml	~~96,65~~	**77,25**
		AE57.1	10 ml	~~89,15~~	**71,25**
		AE57.4	10 ml	~~92,35~~	**73,85**
		AE57.5	25 ml	~~198,90~~	**159,10**
		AE57.2	50 ml	~~385,95~~	**308,70**
Tetrahydrofuran D8	99,5 Atom%D	**AE58.3**	5 ml	~~166,65~~	**133,30**
		AE58.5	7.5 ml	~~299,95~~	**239,90**
		AE58.1	10 ml	~~295,65~~	**236,50**
		AE58.2	10 ml	~~298,35~~	**238,65**
		AE58.4	25 ml	~~686,95~~	**549,50**
Toluene D8	99,8 Atom%D	**7924.2**	7.5 ml	~~220,40~~	**176,30**
		7924.1	10 ml	~~217,70~~	**174,15**
	99,5 Atom%D	**CP95.2**	7.5 ml	~~150,00~~	**119,95**
		CP95.1	10 ml	~~147,85~~	**118,25**
Trichloromethane/ Chloroform D1	99,8 Atom%D	**7903.1**	7.5 ml	~~35,40~~	**28,25**
	99,8 Atom%D, stabilised with Ag	**AE54.4**	25 ml	~~40,35~~	**32,25**
		AE54.1	100 ml	~~87,65~~	**70,05**
		AE54.3	100 ml	~~89,15~~	**71,25**
		AE54.2	500 ml	~~353,70~~	**282,90**
Trichloromethane/ Chloroform D1 with TMS (0.03 vol.%)	99,8 Atom%D	**7905.1**	7.5 ml	~~35,40~~	**28,25**
	99,8 Atom%D, stabilised with Ag	**AE59.1**	100 ml	~~89,15~~	**71,25**

For safety information and additional data, see www.carlroth.com

Salts in Technical Grade Quality

-20 %

ROTH offers a broad portfolio of high-quality technical salts for a wide range of applications in research, development, and technical processes. Whether used as starting materials for syntheses, in production processes, for technical experiments, or research projects, our products stand out through consistent quality, reliable specifications, and a wide range of packaging sizes.

With ROTH, you can rely on an experienced partner for technical chemicals and salts, dedicated to meeting your requirements competently and reliably.



Sodium chloride

≥99,8 %, with anti-caking agent

Anti-caking agent: Potassium hexacyanoferrate(II) K4[Fe(CN)6] and sodium carbonate Na2CO3

Art. No.	Pack Qty.	Pack.	€	€
9265.1	1 kg	plastic	~~13,90~~	**11,05**
9265.2	5 kg	plastic	~~41,40~~	**33,10**
9265.3	10 kg	plastic	~~73,65~~	**58,90**
9265.5	25 kg	plastic	~~142,45~~	**113,95**
9265.4	50 kg	cardboard	~~235,45~~	**188,30**

Sodium chloride

≥99,8 %, extra fine, with anti-caking agent

Anti-caking agent: Potassium hexacyanoferrate(II) K4[Fe(CN)6]

Art. No.	Pack Qty.	Pack.	€	€
0962.1	1 kg	plastic	~~14,55~~	**11,60**
0962.2	5 kg	plastic	~~42,50~~	**33,95**
0962.3	25 kg	plastic	~~142,45~~	**113,95**

Sodium chloride

≥99 %

Without anti-caking agent, caking possible

Art. No.	Pack Qty.	Pack.	€	€
0601.1	1 kg	plastic	~~14,95~~	**11,90**
0601.2	5 kg	plastic	~~44,00~~	**35,15**
0601.3	10 kg	plastic	~~76,90~~	**61,45**
0601.4	25 kg	plastic	~~145,15~~	**116,10**

Product name	Purity	Art. No.	Pack Qty.	€	€
Ammonium carbonate	≥30,5 % NH_3, extra pure	**CN94.1**	500 g	~~21,40~~	**17,05**
		CN94.2	1 kg	~~34,95~~	**27,95**
		CN94.4	2.5 kg	~~62,25~~	**49,75**
		CN94.3	5 kg	~~106,45~~	**85,10**
Caesium chloride	≥99,9 %, extra pure, for biochemistry	**7878.4**	25 g	~~42,90~~	**34,25**
		7878.1	100 g	~~120,95~~	**96,75**
		7878.3	250 g	~~256,95~~	**205,50**
		7878.5	500 g	~~493,45~~	**394,70**
		7878.2	1 kg	~~962,15~~	**769,70**
Cerium(IV) ammonium nitrate	≥99 %, extra pure	**3338.1**	100 g	~~55,40~~	**44,25**
		3338.2	250 g	~~117,20~~	**93,70**
		3338.4	500 g	~~209,65~~	**167,70**
		3338.3	1 kg	~~396,70~~	**317,30**
Iron(II) sulphate heptahydrate	≥16 % Fe, technical	**20U4.1**	1 kg	~~21,40~~	**17,05**
		20U4.2	5 kg	~~91,30~~	**72,95**
		20U4.3	10 kg	~~160,20~~	**128,10**
		20U4.4	25 kg	~~590,20~~	**472,10**
Lithium carbonate	≥99 %, extra pure	**7324.1**	100 g	~~47,85~~	**38,25**
		7324.2	500 g	~~188,15~~	**150,50**
		7324.3	1 kg	~~360,15~~	**288,10**
		7324.4	2.5 kg	~~768,65~~	**614,90**
		7324.5	5 kg	~~1478,15~~	**1182,50**
Lithium chloride	≥98,5 %, pure	**P007.1**	250 g	~~117,20~~	**93,70**
		P007.2	1 kg	~~424,65~~	**339,70**
		P007.3	2.5 kg	~~944,95~~	**755,90**
Potassium aluminium sulphate dodecahydrate	≥98 %	**8896.1**	1 kg	~~23,15~~	**18,45**
		8896.2	5 kg	~~68,70~~	**54,90**
		8896.3	10 kg	~~127,95~~	**102,30**
		8896.4	25 kg	~~256,95~~	**205,50**
Potassium hexacyanoferrate(III)	≥99 %, technical	**7971.3**	500 g	~~53,25~~	**42,55**
		7971.1	1 kg	~~92,35~~	**73,85**
		7971.2	5 kg	~~376,25~~	**301,00**
di-Potassium hydrogen phosphate trihydrate	≥98,5 %, extra pure	**23NY.1**	100 g	~~26,35~~	**21,05**
		23NY.2	1 kg	~~112,90~~	**90,30**
		23NY.3	5 kg	~~478,40~~	**382,70**
		23NY.4	25 kg	~~1703,90~~	**1363,10**

Product name	Purity	Art. No.	Pack Qty.	€	€
Potassium iodide	≥99 %, extra pure	**0323.1**	100 g	~~42,90~~	**34,25**
		0323.2	500 g	~~155,90~~	**124,70**
		0323.3	1 kg	~~299,95~~	**239,90**
		0323.4	2.5 kg	~~600,95~~	**480,70**
		0323.5	25 kg	~~5536,25~~	**4429,00**
Silver nitrate	≥98 %, technical	**2246.1**	10 g	~~42,90~~	**34,25**
		2246.2	50 g	~~166,65~~	**133,30**
		2246.3	100 g	~~306,40~~	**245,10**
		2246.4	500 g	~~1494,25~~	**1195,40**
		2246.5	1 kg	~~2848,75~~	**2279,00**
Sodium carbonate	≥99 %, anhydrous, heavy	**8563.1**	1 kg	~~21,40~~	**17,05**
		8563.2	10 kg	~~88,05~~	**70,40**
		8563.5	25 kg	~~160,20~~	**128,10**
Sodium sulphate	≥99 %, anhydrous	**8631.2**	1 kg	~~24,20~~	**19,35**
		8631.1	2.5 kg	~~48,95~~	**39,10**
		8631.5	25 kg	~~170,95~~	**136,70**
Sodium tetrafluoroborate	≥97 %, pure	**27KY.1**	100 g	~~23,15~~	**18,45**
		27KY.2	500 g	~~74,75~~	**59,75**
		27KY.3	1 kg	~~138,70~~	**110,90**
Strontium hydroxide octahydrate	≥97 %, pure	**3K52.1**	100 g	~~22,05~~	**17,60**
		3K52.2	500 g	~~50,00~~	**39,95**
		3K52.3	1 kg	~~77,95~~	**62,35**
		3K52.4	5 kg	~~278,45~~	**222,70**

For safety information and additional data, see www.carlroth.com



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Nanoparticles

-20 %



ROTI®nanoMETIC

ROTH offers a broad portfolio of high-quality nanoparticles for a wide range of applications in research, development, and technical processes. Whether metallic nanoparticles, metal oxides, carbon-based nanomaterials, or other nanoscale compounds, our products stand out through their high quality, well-defined properties, and extensive selection of materials.

Most nanoparticles are supplied as hydrophilic powders and can be easily dispersed in aqueous media.

With nanoparticles from ROTH, you can rely on a trusted partner for innovative nanomaterials and forward-looking applications.

Metal Nanoparticles

Product name	Purity	Art. No.	Pack Qty.	€	€
Copper, nano	≥99 %, ≥80 nm	8279.1	5 g	~~61,20~~	48,90
		8279.2	25 g	~~241,90~~	193,50
		8279.3	100 g	~~876,15~~	700,90
	≥99 %	21E8.1	1 g	~~81,20~~	64,90
		21E8.2	5 g	~~149,45~~	119,50
Gold, nano	≥99,5 % 4 nm	37PC.1	10 mg	~~170,95~~	136,70
		37PC.2	50 mg	~~493,45~~	394,70
Nickel, nano	≥90 %, 50 nm	21E9.1	1 g	~~63,35~~	50,60
		21E9.2	5 g	~~239,20~~	191,35
Silver, nano	7 nm, hydrophobic	36LE.1	10 mg	~~149,45~~	119,50
		36LE.2	50 mg	~~267,70~~	214,10
		36LE.3	200 mg	~~708,45~~	566,70

For safety information and additional data, see www.carlroth.com

Carbon Nanoparticles

Product name	Purity	Art. No.	Pack Qty.	€	€
Carbon black	≥99 %, 10-20 nm	21LP.1	10 g	~~34,30~~	27,40
		21LP.2	50 g	~~92,35~~	73,85
		21LP.3	100 g	~~161,25~~	129,00
Graphene	≥90 %, Thickness: 1-4 nm, Particles size: ≤2 µm	36LY.1	1 g	~~14,95~~	11,90
		36LY.2	10 g	~~102,70~~	82,10
		36LY.3	50 g	~~353,70~~	282,90
Nanodiamonds	5 nm, low ash content	21TA.1	1 g	~~170,95~~	136,70
		21TA.2	10 g	~~1451,25~~	1161,00
	≥97 %, 5 nm	21X9.1	1 g	~~57,95~~	46,30
		21X9.2	10 g	~~450,45~~	360,30

For safety information and additional data, see www.carlroth.com

Metal Oxide Nanoparticles

Product name	Purity	Art. No.	Pack Qty.	€	€
Aluminium oxide, nano	≥99,8 %, ca. 40 nm, alpha, hydrophilic	23C8.1	5 g	~~23,15~~	18,45
		23C8.2	25 g	~~55,40~~	44,25
		23C8.3	100 g	~~206,95~~	165,55
	≥99,9 %, 40 nm, gamma, hydrophilic	8250.1	10 g	~~36,45~~	29,10
		8250.2	50 g	~~142,45~~	113,95
		8250.3	100 g	~~231,15~~	184,90
	≥99,5 %, 15 nm, theta, hydrophilic	21EA.1	10 g	~~28,95~~	23,10
		21EA.2	50 g	~~81,20~~	64,90
		21EA.3	100 g	~~142,45~~	113,95
Iron(II,III) oxide	~8 nm 3 % in H_2O, magnetic fluid	33H3.1	5 ml	~~89,15~~	71,25
		33H3.2	25 ml	~~364,45~~	291,50
	~8 nm 30 % in H_2O, magnetic fluid	33H4.1	5 ml	~~106,45~~	85,10
		33H4.2	25 ml	~~461,20~~	368,90
	~40 nm 3 % in H_2O, magnetic fluid	33H5.1	5 ml	~~106,45~~	85,10
		33H5.2	25 ml	~~461,20~~	368,90
Iron(III) oxide	ca. 6 nm, 5 % in H_2O	33T2.1	50 ml	~~32,15~~	25,65
		33T2.2	100 ml	~~53,65~~	42,85
		33T2.3	500 ml	~~213,95~~	171,10
Magnesium oxide, nano	≥99 %, 20 nm	21H1.1	5 g	~~39,70~~	31,70
		21H1.2	10 g	~~68,70~~	54,90
		21H1.3	25 g	~~142,45~~	113,95
Silicon dioxide, nano	≥99,5 %, ca. 10 nm, fumed, hydrophilic	21HE.1	25 g	~~34,30~~	27,40
		21HE.2	100 g	~~92,35~~	73,85
	≥99,5 %, ca. 10 nm, fumed, hydrophobic	21HH.1	5 g	~~40,35~~	32,25
		21HH.2	10 g	~~73,00~~	58,35
		21HH.3	25 g	~~160,20~~	128,10
		21HH.4	50 g	~~181,70~~	145,30
Titanium(IV) oxide, nano	≥99,9 %, 4–8 nm, anatase	8254.1	10 g	~~81,20~~	64,90
		8254.2	50 g	~~349,40~~	279,50
Zinc oxide, nano	≥99 %, 25 nm	8278.1	10 g	~~69,35~~	55,45
		8278.2	50 g	~~256,95~~	205,50
		8278.3	100 g	~~482,70~~	386,10

Safety information and additional data at www.carlroth.com



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Acids for Analysis (p.a.)

-20 %

Acetic acid

ROTIPURAN® 100 %, p.a.

Danger H226-H314

Art. No.	Pack Qty.	Pack.	€	€
3738.1	1 l	glass	~~38,60~~	**30,85**
3738.4	1 l	plastic	~~36,05~~	**28,80**
3738.2	2.5 l	glass	~~83,35~~	**66,65**
3738.5	2.5 l	plastic	~~81,20~~	**64,90**
3738.6	5 l	plastic	~~138,70~~	**110,90**
3738.3	10 l	plastic	~~246,20~~	**196,90**

Sulphuric acid

ROTIPURAN® 96 %, p.a., ISO

Danger H290-H314

Art. No.	Pack Qty.	Pack.	€	€
4623.3	250 ml	glass	~~25,70~~	**20,50**
4623.1	1 l	glass	~~42,90~~	**34,25**
4623.4	1 l	plastic	~~40,75~~	**32,55**
4623.2	2.5 l	glass	~~88,70~~	**70,95**
4623.5	2.5 l	plastic	~~90,85~~	**72,65**
4623.7	5 l	plastic	~~131,70~~	**105,35**
4623.6	10 l	plastic	~~172,00~~	**137,60**

Nitric acid

ROTIPURAN® ≥65 %, p.a., ISO

Danger
H272-H290-H314-H331-EUH071

Art. No.	Pack Qty.	Pack.	€	€
4989.3	250 ml	glass	~~26,35~~	**21,05**
4989.1	1 l	glass	~~47,20~~	**37,70**
4989.2	2.5 l	glass	~~97,75~~	**78,15**
4989.4	2.5 l	plastic	~~94,50~~	**75,55**



Product name	Purity	Pack.	Art. No.	Pack Qty.	€	€
Acetic acid	≥95,9 %, p.a.	plastic	**T179.1**	1 l	~~34,30~~	**27,40**
			T179.2	2.5 l	~~76,90~~	**61,45**
			T179.4	5 l	~~131,70~~	**105,35**
			T179.3	10 l	~~235,45~~	**188,30**
Boric acid	≥99,8 %, p.a., ACS, ISO	plastic	**6943.4**	500 g	~~41,40~~	**33,10**
			6943.6	2.5 kg	~~127,95~~	**102,30**
Citric acid	≥99,5 %, p.a., ACS, anhydrous	plastic	**X863.1**	500 g	~~32,15~~	**25,65**
			X863.2	1 kg	~~54,75~~	**43,75**
			X863.3	2.5 kg	~~110,20~~	**88,15**
			X863.4	5 kg	~~192,45~~	**153,90**
			X863.6	10 kg	~~375,20~~	**300,10**
			X863.5	25 kg	~~736,40~~	**589,10**
Formic acid	≥98 %, p.a., ACS	glass	**4724.3**	500 ml	~~33,25~~	**26,55**
			4724.1	1 l	~~63,35~~	**50,60**
			4724.2	2.5 l	~~123,65~~	**98,90**
		plastic	**4724.4**	10 l	~~407,45~~	**325,90**
			4724.5	25 l	~~826,70~~	**661,30**
Hydrochloric acid	37 % fuming, p.a., ACS, ISO	glass	**4625.4**	500 ml	~~22,50~~	**17,95**
			4625.1	1 l	~~27,85~~	**22,25**
			4625.2	2.5 l	~~52,15~~	**41,70**
		plastic	**4625.3**	10 l	~~137,10~~	**109,65**
			4625.5	25 l	~~284,90~~	**227,90**
	≥32 %, p.a., ISO	glass	**P074.1**	1 l	~~27,85~~	**22,25**
		plastic	**P074.3**	1 l	~~25,70~~	**20,50**
		glass	**P074.2**	2.5 l	~~50,00~~	**39,95**
		plastic	**P074.4**	2.5 l	~~47,85~~	**38,25**
			P074.5	10 l	~~138,70~~	**110,90**
			P074.6	25 l	~~310,70~~	**248,50**
Nitric acid	≥65 %, p.a., ISO, max. 0,005 ppm Hg	glass	**X943.1**	1 l	~~45,05~~	**36,00**
			X943.2	2.5 l	~~89,15~~	**71,25**
Perchloric acid	70 %, p.a.	glass	**9216.1**	500 ml	~~103,10~~	**82,45**
			9216.2	1 l	~~170,95~~	**136,70**
Periodic acid	≥99 %, p.a.	glass	**3257.3**	50 g	~~49,35~~	**39,45**
			3257.1	100 g	~~94,10~~	**75,25**
			3257.2	500 g	~~327,90~~	**262,30**
			3257.4	1 kg	~~600,95~~	**480,70**

For safety information and additional data, see www.carlroth.com

Bases for Analysis (p.a.)

Bases in analytical reagent grade (p.a.) enable reproducible and reliable results, which are essential in chemical analysis. They form the foundation for work in research, development, and quality control.



-20 %

Product name	Purity	Pack.	Art. No.	Pack Qty.	€	€
Ammonia solution	30 %, p.a., ACS	glass	**CP17.1**	1 l	~~34,30~~	**27,40**
			CP17.2	2.5 l	~~55,80~~	**44,60**
		PE/steel	**CP17.3**	5 l	~~103,10~~	**82,45**
			CP17.4	10 l	~~177,40~~	**141,90**
			CP17.5	25 l	~~338,65~~	**270,90**
	≥25 %, p.a.	glass	**6774.1**	1 l	~~33,90~~	**27,05**
			6774.2	2.5 l	~~50,45~~	**40,30**
		plastic	**6774.3**	5 l	~~75,80~~	**60,60**
	20 %, p.a.	plastic	**21HK.1**	500 ml	~~34,30~~	**27,40**
			21HK.2	1 l	~~69,35~~	**55,45**
			21HK.3	2.5 l	~~123,65~~	**98,90**
Potassium hydroxide	≥85 %, p.a., in pellets	plastic	**6751.3**	250 g	~~21,40~~	**17,05**
			6751.1	1 kg	~~44,65~~	**35,65**
			6751.4	2.5 kg	~~91,30~~	**72,95**
			6751.2	5 kg	~~170,95~~	**136,70**
			6751.6	10 kg	~~306,40~~	**245,10**
			6751.5	25 kg	~~611,70~~	**489,30**
Sodium hydroxide	≥98 %, p.a., ISO, in pellets	plastic	**6771.3**	500 g	~~30,00~~	**23,95**
			6771.1	1 kg	~~50,00~~	**39,95**
			6771.4	2.5 kg	~~99,90~~	**79,85**
			6771.2	5 kg	~~188,15~~	**150,50**
			6771.6	10 kg	~~353,70~~	**282,90**
			6771.5	25 kg	~~779,40~~	**623,50**
Sodium hydroxide solution	≥32 %, p.a.	plastic	**T196.1**	1 l	~~42,90~~	**34,25**
			T196.2	2.5 l	~~82,25~~	**65,75**
			T196.3	5 l	~~131,70~~	**105,35**
			T196.7	25 l	~~504,20~~	**403,30**
	25 %, p.a.	plastic	**22E2.1**	1 l	~~33,25~~	**26,55**
			22E2.2	2.5 l	~~66,55~~	**53,20**
			22E2.3	5 l	~~120,95~~	**96,75**
			22E2.4	10 l	~~209,65~~	**167,70**
			22E2.5	25 l	~~450,45~~	**360,30**
	20 %, p.a.	plastic	**22E3.1**	1 l	~~31,75~~	**25,35**
			22E3.2	2.5 l	~~61,20~~	**48,90**
			22E3.3	5 l	~~110,20~~	**88,15**
			22E3.4	10 l	~~192,45~~	**153,90**
			22E3.5	25 l	~~418,20~~	**334,50**
	10 %, p.a.	plastic	**22E4.1**	1 l	~~30,00~~	**23,95**
			22E4.2	2.5 l	~~56,90~~	**45,45**
			22E4.3	5 l	~~99,45~~	**79,55**
			22E4.4	10 l	~~177,40~~	**141,90**
			22E4.5	25 l	~~342,95~~	**274,30**
	5 %, p.a.	plastic	**22E5.1**	1 l	~~27,85~~	**22,25**
			22E5.2	2.5 l	~~50,00~~	**39,95**
			22E5.3	5 l	~~89,15~~	**71,25**
			22E5.4	10 l	~~149,45~~	**119,50**
			22E5.5	25 l	~~295,65~~	**236,50**

For safety information and additional data, see www.carlroth.com

Dyes, Indicator Solutions and Moisture Indicators

-20 %



Indicator solutions – ready to use

Product name	Purity	Art. No.	Pack Qty.	€	€
Bromothymol blue indicator solution	0,04 % in water	**9947.1**	100 ml	~~53,65~~	**42,85**
Methyl orange indicator solution	0,1 % in water	**T119.1**	500 ml	~~27,85~~	**22,25**
		T119.2	1 l	~~48,95~~	**39,10**
Methyl red indicator solution	0,1 % in ethanol, denatured	**T121.1**	250 ml	~~41,85~~	**33,40**
		T121.2	1 l	~~107,00~~	**85,55**
Mixed indicator 5	for ammonia titration	**T125.1**	250 ml	~~155,90~~	**124,70**
Phenolphthalein indicator solution	1 % in ethanol 90 %, denatured	**K034.1**	250 ml	~~30,00~~	**23,95**
		K034.2	500 ml	~~42,50~~	**33,95**
		K034.3	1 l	~~61,85~~	**49,45**
Starch indicator solution	1 % in water, stabilised	**T133.1**	500 ml	~~36,45~~	**29,10**

For safety information and additional data, see www.carlroth.com

Dyes

Product name	Purity	Art. No.	Pack Qty.	€	€
Brilliant blue FCF (C.I. 42090)	extra pure	**2981.1**	10 g	~~18,85~~	**15,05**
		2981.3	100 g	~~75,80~~	**60,60**
		2981.4	1 kg	~~375,20~~	**300,10**
Brilliant green (C.I. 42040)	for microscopy	**0324.1**	25 g	~~30,00~~	**23,95**
		0324.3	50 g	~~55,80~~	**44,60**
		0324.2	100 g	~~92,35~~	**73,85**
Crystal violet (C.I. 42555)	p.a.	**T123.2**	5 g	~~25,30~~	**20,20**
		T123.1	25 g	~~40,35~~	**32,25**
		T123.3	100 g	~~97,75~~	**78,15**
Eriochrome black T (C.I. 14645)	p.a.	**0112.1**	25 g	~~23,15~~	**18,45**
		0112.3	100 g	~~73,00~~	**58,35**
		0112.6	500 g	~~278,45~~	**222,70**
Fluorescein disodium salt (C.I. 45350)	extra concentrated	**5283.1**	100 g	~~50,45~~	**40,30**
		5283.2	500 g	~~166,65~~	**133,30**
		5283.5	2.5 kg	~~622,45~~	**497,90**
Luminol	≥95 %, for synthesis	**4203.1**	5 g	~~69,35~~	**55,45**
		4203.2	25 g	~~256,95~~	**205,50**
		4203.3	100 g	~~955,70~~	**764,50**
Methylene blue (C. I. 52015)	pure	**A514.1**	10 g	~~26,35~~	**21,05**
		A514.2	50 g	~~69,35~~	**55,45**
		A514.3	100 g	~~117,20~~	**93,70**
Nile red	extra pure	**7726.1**	1 g	~~57,95~~	**46,30**
		7726.2	5 g	~~220,40~~	**176,30**
		7726.3	10 g	~~428,95~~	**343,10**
Ninhydrin	≥99 %, p.a., ACS	**4378.1**	25 g	~~57,55~~	**46,00**
		4378.2	100 g	~~145,15~~	**116,10**
		4378.3	500 g	~~557,95~~	**446,30**
Phenolphthalein (C.I. 764)	≥97 %, p.a., ACS	**T126.2**	50 g	~~24,20~~	**19,35**
		T126.1	100 g	~~33,25~~	**26,55**
		T126.3	500 g	~~91,95~~	**73,50**

For safety information and additional data, see www.carlroth.com

Silica gels with a Moisture Indicator

Indicator silica gels provide reliable protection for moisture-sensitive goods during transport and storage. They efficiently adsorb water vapor from the environment and indicate saturation via a clear color change. Suitable for drying gases, solids, and enclosed systems.



Product name	Purity	Regeneration	Art. No.	Pack Qty.	€	€
Silica gel blue	2–4 mm, with indicator, beads	80–100 °C, approx. 2-4 hours	**2440.2**	1 kg	~~38,60~~	**30,85**
			2440.3	2.5 kg	~~77,30~~	**61,80**
			2440.4	10 kg	~~256,95~~	**205,50**
Silica gel yellow/blue	2.5–6 mm, with indicator, fractured	120 °C, approx. 4 hours	**3650.2**	1 kg	~~50,45~~	**40,30**
			3650.3	2.5 kg	~~105,90~~	**84,70**
			3650.4	10 kg	~~342,95~~	**274,30**
Silica gel orange	2–5 mm, with indicator, beads	130 °C, approx. 4 hours	**P077.4**	500 g	~~38,60~~	**30,85**
			P077.2	2.5 kg	~~138,70~~	**110,90**
			P077.3	10 kg	~~424,65~~	**339,70**
Silica gel orange/green	2–5 mm, with indicator, beads	110 °C, approx. 3–4 hours	**1779.2**	1 kg	~~47,85~~	**38,25**
			1779.3	2.5 kg	~~95,60~~	**76,40**
			1779.4	10 kg	~~299,95~~	**239,90**
Silica gel red/yellow	1–3 mm, with indicator, beads	120 °C, approx. 4 hours	**3955.2**	1 kg	~~47,85~~	**38,25**
			3955.3	2.5 kg	~~95,60~~	**76,40**
			3955.4	10 kg	~~299,95~~	**239,90**
	3–6 mm, with indicator, beads	120 °C, approx. 4 hours	**4111.2**	1 kg	~~38,60~~	**30,85**
			4111.3	2.5 kg	~~77,30~~	**61,80**
			4111.4	10 kg	~~256,95~~	**205,50**

For safety information and additional data, see www.carlroth.com

Peptide Synthesis - PEPTIPURE®

-20 %

D-, DL- and L-amino acids

Arginine

Product name	Brand/Purity	Pack.	Art. No.	Pack Qty.	€	€
DL-Arginine	≥98,5 %, for biochemistry	plastic	8592.1	5 g	~~27,45~~	21,90
			8592.2	25 g	~~83,35~~	66,65
			8592.3	100 g	~~256,95~~	205,50
L-Arginine	CELLPURE® ≥99 %	plastic	1655.1	25 g	~~14,95~~	11,90
			1655.2	100 g	~~36,45~~	29,10
			1655.3	500 g	~~123,65~~	98,90
	≥98,5 %, USP, for biochemistry	plastic	3144.1	50 g	~~23,15~~	18,45
			3144.3	250 g	~~61,85~~	49,45
			3144.2	1 kg	~~193,50~~	154,80
D-Arginine monohydrochloride	≥99 %, for biochemistry	plastic	7868.1	1 g	~~33,25~~	26,55
			7868.2	5 g	~~95,15~~	76,10
			7868.3	25 g	~~267,70~~	214,10
DL-Arginine monohydrochloride	≥98 %, for biochemistry	plastic	4925.1	5 g	~~107,40~~	85,85
L-Arginine monohydrochloride	CELLPURE® ≥98,5 %	plastic	1689.1	25 g	~~21,00~~	16,75
			1689.2	100 g	~~37,55~~	29,95
			1689.3	500 g	~~123,65~~	98,90
	≥98,5 %, Ph. Eur., USP	plastic	3145.1	50 g	~~23,15~~	18,45
			3145.2	250 g	~~65,50~~	52,35

For safety information and additional data, see www.carlroth.com

Glycine

Brand/Purity	Pack.	Art. No.	Pack Qty.	€	€
≥99 %, Blotting Grade	plastic	0079.1	250 g	~~33,90~~	27,05
		0079.2	500 g	~~62,25~~	49,75
		0079.3	1 kg	~~109,15~~	87,25
		0079.4	2.5 kg	~~209,65~~	167,70
PUFFERAN® ≥99 %, p.a.	plastic	3908.1	250 g	~~31,75~~	25,35
		3908.2	1 kg	~~103,10~~	82,45
		3908.4	2.5 kg	~~192,45~~	153,90
		3908.3	5 kg	~~284,90~~	227,90
		3908.6	10 kg	~~504,20~~	403,30
		3908.5	25 kg	~~1106,20~~	884,90
CELLPURE® ≥99 %	plastic	HN07.1	100 g	~~22,50~~	17,95
		HN07.2	500 g	~~67,20~~	53,75
		HN07.3	1 kg	~~117,20~~	93,70
≥98,5 %, Ph. Eur., USP	plastic	T873.1	250 g	~~34,95~~	27,95
		T873.3	500 g	~~64,00~~	51,15
		T873.2	1 kg	~~110,20~~	88,15
		T873.4	2.5 kg	~~241,90~~	193,50
≥99 %, for biochemistry	plastic	3187.1	250 g	~~25,30~~	20,20
		3187.2	500 g	~~35,40~~	28,25
		3187.3	1 kg	~~54,30~~	43,40
		3187.5	2.5 kg	~~107,40~~	85,85
		3187.4	5 kg	~~206,95~~	165,55
		3187.6	10 kg	~~349,40~~	279,50
		3187.7	25 kg	~~661,15~~	528,90
≥99 %, for synthesis	plastic	3790.1	250 g	~~22,50~~	17,95
		3790.2	1 kg	~~47,85~~	38,25
		3790.4	2.5 kg	~~97,75~~	78,15
		3790.3	5 kg	~~170,95~~	136,70
		3790.5	10 kg	~~314,45~~	251,55
		3790.6	25 kg	~~618,15~~	494,50

For safety information and additional data, see www.carlroth.com

Histidine

Product name	Brand/Purity	Pack.	Art. No.	Pack Qty.	€	€
D-Histidine	≥98 %, for biochemistry	plastic	7880.1	5 g	~~64,40~~	51,45
			7880.2	25 g	~~188,15~~	150,50
DL-Histidine	≥98,5 %, for biochemistry	plastic	8597.1	5 g	~~40,75~~	32,55
			8597.2	25 g	~~117,20~~	93,70
			8597.3	100 g	~~385,95~~	308,70
L-Histidine	CELLPURE® ≥99 %	plastic	1696.1	25 g	~~35,40~~	28,25
			1696.2	100 g	~~78,40~~	62,65
			1696.3	500 g	~~317,15~~	253,70
	≥98,5 %, Ph. Eur., for biochemistry	plastic	3852.1	25 g	~~23,15~~	18,45
			3852.3	100 g	~~65,05~~	52,00
			3852.2	1 kg	~~478,40~~	382,70
L-Histidine hydrochloride monohydrate	CELLPURE® ≥99 %	plastic	1697.1	25 g	~~30,65~~	24,50
			1697.2	100 g	~~75,15~~	60,05
			1697.3	500 g	~~295,65~~	236,50
	≥98,5 %, Ph. Eur., for biochemistry	plastic	9455.1	100 g	~~55,80~~	44,60
			9455.3	250 g	~~117,20~~	93,70
			9455.2	500 g	~~220,40~~	176,30

For safety information and additional data, see www.carlroth.com

Lysine

Product name	Brand/Purity	Pack.	Art. No.	Pack Qty.	€	€
L-Lysine monohydrate	CELLPURE® ≥98,5 %	plastic	6829.1	25 g	~~73,00~~	58,35
			6829.2	100 g	~~155,90~~	124,70
			6829.3	500 g	~~590,20~~	472,10
	≥98,5 %, for biochemistry	plastic	4207.1	25 g	~~66,55~~	53,20
			4207.2	100 g	~~142,45~~	113,95
D-Lysine hydrochloride	≥99 %, for biochemistry	glass	7883.1	1 g	~~33,25~~	26,55
		plastic	7883.2	5 g	~~74,75~~	59,75
			7883.3	25 g	~~177,40~~	141,90
DL-Lysine hydrochloride	≥98 %, for biochemistry	glass	8600.1	500 mg	~~24,20~~	19,35
			8600.2	1 g	~~40,75~~	32,55
		plastic	8600.3	5 g	~~74,10~~	59,20
L-Lysine hydrochloride	CELLPURE® ≥98,5 %	plastic	1700.1	25 g	~~21,40~~	17,05
			1700.2	100 g	~~47,20~~	37,70
			1700.3	500 g	~~166,65~~	133,30
	≥98,5 %, USP, for biochemistry	plastic	9357.1	100 g	~~30,65~~	24,50
			9357.3	250 g	~~59,70~~	47,70
			9357.4	500 g	~~107,40~~	85,85
			9357.2	1 kg	~~192,45~~	153,90

For safety information and additional data, see www.carlroth.com

Proline

Product name	Brand/Purity	Pack.	Art. No.	Pack Qty.	€	€
D-Proline	≥98,5 %, for biochemistry	glass	7888.1	1 g	~~32,15~~	25,65
		plastic	7888.2	5 g	~~95,70~~	76,50
			7888.3	25 g	~~241,90~~	193,50
DL-Proline	≥99 %, for biochemistry	plastic	5267.1	5 g	~~35,40~~	28,25
			5267.2	10 g	~~65,05~~	52,00
			5267.3	25 g	~~131,70~~	105,35
L-Proline	CELLPURE® ≥98,5 %	plastic	1713.1	25 g	~~41,40~~	33,10
			1713.2	100 g	~~103,75~~	82,95
			1713.3	500 g	~~381,65~~	305,30
	≥98,5 %, Ph. Eur., for biochemistry	plastic	T205.1	25 g	~~34,30~~	27,40
			T205.2	100 g	~~87,65~~	70,05
			T205.3	500 g	~~327,90~~	262,30

For safety information and additional data, see www.carlroth.com

Protective groups for Peptide Synthesis

Product name	Brand/Purity	Protecting group (short name)	Removal	Possible removal reagents	Art. No.	Pack Qty.	€	€
9-Fluorenylmethoxycarbonyl chloride (Fmoc-Cl)	PEPTIPURE® ≥98 %, for peptide synthesis	Fluorenylmethyl (Fmoc)	alkaline	Piperidine (A122) in dimethylformamide (A529) Morpholine (9691) in diethylformamide (A529)	2201.1	5 g	~~27,85~~	22,25
					2201.2	25 g	~~64,00~~	51,15
					2201.3	100 g	~~188,15~~	150,50
Trimethylchlorosilane	PEPTIPURE® ≥99 %, for the GC	Trimethylsilyl (TMS)	acidic, alkaline, fluoride ions	Acetic acid (4340 oder 4341) Potassium carbonate (P743) in methanol (8388) Potassium fluoride (CN83)	2338.1	25 g	~~67,65~~	54,05

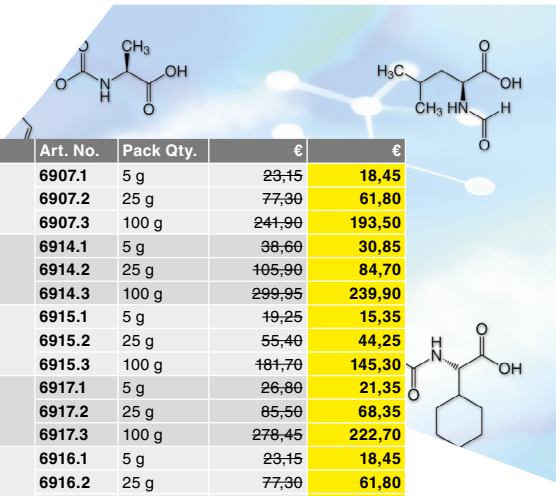
For safety information and additional data, see www.carlroth.com

Peptide Synthesis - PEPTIPURE®

-20 %

Protected Amino Acids

We supply protected amino acids of the highest quality and purity for standard applications in biochemistry and specifically for peptide synthesis.



Product name	Purity	Alternative name	Art. No.	Pack Qty.	€	€
Boc-L-Alanine	≥97 %, for biochemistry	Boc-L-Ala-OH	6907.1	5 g	~~23,15~~	18,45
			6907.2	25 g	~~77,30~~	61,80
			6907.3	100 g	~~241,90~~	193,50
Boc-L-Arginine hydrochloride monohydrate	≥98 %, for biochemistry	Boc-L-Arg-OH	6914.1	5 g	~~38,60~~	30,85
			6914.2	25 g	~~105,90~~	84,70
			6914.3	100 g	~~299,95~~	239,90
Boc-L-Asparagine	≥98 %, for biochemistry	Boc-L-Asn-OH	6915.1	5 g	~~19,25~~	15,35
			6915.2	25 g	~~55,40~~	44,25
			6915.3	100 g	~~181,70~~	145,30
Boc-L-Glutamic acid	≥99 %, for biochemistry	Boc-L-Glu-OH	6917.1	5 g	~~26,80~~	21,35
			6917.2	25 g	~~85,50~~	68,35
			6917.3	100 g	~~278,45~~	222,70
Boc-L-Glutamine	≥97 %, for biochemistry	Boc-L-Gln-OH	6916.1	5 g	~~23,15~~	18,45
			6916.2	25 g	~~77,30~~	61,80
			6916.3	100 g	~~241,90~~	193,50
Boc-Glycine	≥98 %, for biochemistry	Boc-Gly-OH	6918.1	5 g	~~16,70~~	13,30
			6918.2	25 g	~~44,65~~	35,65
			6918.3	100 g	~~142,45~~	113,95
Boc-L-Phenylalanine	≥99 %, for biochemistry	Boc-L-Phe-OH	6931.1	5 g	~~26,35~~	21,05
			6931.2	25 g	~~79,05~~	63,20
			6931.3	100 g	~~241,90~~	193,50
Fmoc-L-Alanine monohydrate	≥98 %, for biochemistry	Fmoc-L-Ala-OH	6646.1	10 g	~~25,70~~	20,50
			6646.2	50 g	~~76,90~~	61,45
			6646.3	250 g	~~299,95~~	239,90
			6646.4	500 g	~~579,45~~	463,50
			6646.5	1 kg	~~1069,65~~	855,70
Fmoc-L-Arginine	≥98 %, for biochemistry	Fmoc-L-Arg-OH	6896.1	5 g	~~42,50~~	33,95
			6896.2	25 g	~~160,20~~	128,10
Fmoc-L-Asparagine	≥98,5 %, for biochemistry	Fmoc-L-Asn-OH	6897.1	5 g	~~23,15~~	18,45
			6897.2	25 g	~~73,00~~	58,35
			6897.3	100 g	~~224,70~~	179,70
Fmoc-L-Aspartic acid-(OtBu)	≥96 %, for biochemistry	Fmoc-L-Asp(OtBu)-OH	9654.1	5 g	~~31,75~~	25,35
			9654.2	25 g	~~94,50~~	75,55
			9654.3	100 g	~~299,95~~	239,90
Fmoc-L-Glutamine	≥98 %, for biochemistry	Fmoc-L-Gln-OH	6898.1	5 g	~~25,70~~	20,50
			6898.2	25 g	~~79,05~~	63,20
			6898.3	100 g	~~256,95~~	205,50
Fmoc-Glycine	≥99 %, for biochemistry	Fmoc-Gly-OH	6899.1	5 g	~~17,10~~	13,65
			6899.2	25 g	~~46,80~~	37,40
			6899.3	100 g	~~160,20~~	128,10

For safety information and additional data, see www.carlroth.com

► Further protected amino acids and protecting groups for peptide synthesis at www.carlroth.com

Resins for Peptide Synthesis



2-Chlorotrityl chloride resin

PEPTIPURE® 100–200 mesh, 1 % DVB

Art. No.	Pack Qty.	Pack.	€	€
7405.1	5 g	plastic	~~110,20~~	88,15
7405.2	25 g	plastic	~~413,90~~	331,10

Rink amide resin

PEPTIPURE® 100–200 mesh, 1 % DVB

Art. No.	Pack Qty.	Pack.	€	€
7515.1	1 g	glass	~~49,35~~	39,45
7515.2	5 g	plastic	~~209,65~~	167,70

Peltatoside

ROTICHROM® HPLC

Storage temperature: +4 °C

Art. No.	Pack Qty.	Pack.	€	€
7406.1	10 mg	glass	~~418,20~~	334,50

Wang resin

PEPTIPURE® 100–200 mesh, 1 % DVB

Storage temperature: +4 °C

Art. No.	Pack Qty.	Pack.	€	€
7506.1	1 g	glass	~~22,05~~	17,60
7506.2	5 g	plastic	~~55,80~~	44,60
7506.3	25 g	plastic	~~224,70~~	179,70

Reagents for Peptide Synthesis -20 %

Coupling Reagents

DCC

PEPTIPURE® ≥98 %

Danger H302-H311-H317-H318

Art. No.	Pack Qty.	Pack.	€	€
4193.1	100 g	glass	~~26,80~~	21,35
4193.2	250 g	glass	~~54,75~~	43,75
4193.3	500 g	glass	~~95,15~~	76,10
4193.4	1 kg	glass	~~177,40~~	141,90
4193.5	2.5 kg	glass	~~375,20~~	300,10

DIC

PEPTIPURE® ≥99 %

Danger
H226-H315-H317-H318-H330-H334-H410

Art. No.	Pack Qty.	Pack.	€	€
6981.1	5 ml	glass	~~27,85~~	22,25
6981.2	25 ml	glass	~~77,95~~	62,35
6981.3	100 ml	glass	~~209,65~~	167,70
6981.4	500 ml	glass	~~697,70~~	558,10

DIPEA

PEPTIPURE® ≥99,5 %, for peptide synthesis

Danger
H225-H302-H318-H331-H335

Art. No.	Pack Qty.	Pack.	€	€
2474.1	100 ml	glass	~~35,40~~	28,25
2474.2	250 ml	glass	~~64,00~~	51,15
2474.3	1 l	glass	~~213,95~~	171,10
2474.4	2.5 l	glass	~~439,70~~	351,70

DMAP

PEPTIPURE® ≥99 %

Danger
H301+H331-H310-H315-H318-H370-H411

Art. No.	Pack Qty.	Pack.	€	€
6988.1	5 g	glass	~~19,25~~	15,35
6988.2	25 g	glass	~~37,55~~	29,95
6988.3	100 g	glass	~~112,90~~	90,30
6988.4	500 g	glass	~~396,70~~	317,30

EDC-HCl

PEPTIPURE® ≥99 %

Storage temperature: –20 °C
Transport temperature: ambient temp.

Danger
H302-H311-H315-H317-H319-H373-H410

Art. No.	Pack Qty.	Pack.	€	€
2156.1	5 g	glass	~~31,75~~	25,35
2156.2	25 g	glass	~~92,35~~	73,85
2156.3	100 g	glass	~~263,40~~	210,70
2156.5	1 kg	glass	~~2252,15~~	1801,70

HATU

PEPTIPURE® ≥99 %

Storage temperature: +4 °C

Danger H315-H317-H319-H334-H335

Art. No.	Pack Qty.	Pack.	€	€
2131.1	5 g	glass	~~74,75~~	59,75
2131.2	25 g	glass	~~274,15~~	219,30

PyBOP®

PEPTIPURE® ≥98,5 %

Storage temperature: +4 °C

Warning H302-H317-H410

Art. No.	Pack Qty.	Pack.	€	€
2178.1	5 g	glass	~~42,50~~	33,95
2178.2	25 g	glass	~~127,95~~	102,30
2178.3	100 g	glass	~~375,20~~	300,10
2178.5	1 kg	glass	~~2676,75~~	2141,40



Reagents for Deprotection and Cleavage

HFIP

PEPTIPURE® ≥99 %, for peptide synthesis

Danger H314-H361fd-H373

Art. No.	Pack Qty.	Pack.	€	€
2473.1	10 ml	glass	~~59,05~~	47,15
2473.2	25 ml	glass	~~117,20~~	93,70
2473.3	100 ml	glass	~~424,65~~	339,70

Piperidine

PEPTIPURE® ≥99,5 %, for peptide synthesis

Danger
H225-H302-H311+H331-H314

Art. No.	Pack Qty.	Pack.	€	€
A122.1	200 ml	glass	~~43,55~~	34,80
A122.2	500 ml	glass	~~82,25~~	65,75
A122.3	1 l	glass	~~134,40~~	107,50
A122.4	2.5 l	glass	~~235,45~~	188,30

Trifluoroacetic acid (TFA)

PEPTIPURE® ≥99,9 %, for peptide synthesis

Danger H290-H314-H332-H412

Art. No.	Pack Qty.	Pack.	€	€
P088.1	100 ml	glass	~~109,15~~	87,25
P088.2	500 ml	glass	~~521,40~~	417,10
P088.3	1 l	glass	~~891,20~~	712,90

Solvents

Dichloromethane

PEPTIPURE® ≥99,9 %, for peptide synthesis, stabilised with amylene

Warning
H315-H319-H336-H351-H420

Art. No.	Pack Qty.	Pack.	€	€
P089.1	2.5 l	glass	~~94,10~~	75,25

N,*N*-Dimethylformamide (DMF)

PEPTIPURE® ≥99,8 %, for peptide synthesis

Danger
H226-H312+H332-H319-H360D

Art. No.	Pack Qty.	Pack.	€	€
A529.3	500 ml	glass	~~57,55~~	46,00
A529.1	2.5 l	glass	~~169,35~~	135,45
A529.7	10 l	plastic	~~289,20~~	231,30
A529.2	25 l	plastic	~~532,15~~	425,70

N-Methyl-2-pyrrolidone (NMP)

PEPTIPURE® ≥99,8 %, for peptide synthesis

Danger H315-H319-H335-H360D

Art. No.	Pack Qty.	Pack.	€	€
P052.1	2.5 l	glass	~~239,20~~	191,35

Accessories for Peptide Synthesis

-20 %





Reactors for Peptide Synthesis

ROTH SELECTION.

Volume (ml)	Version	Art. No.	Pack Qty.	€	€
2	PP, Frit made of PE	**7926.2**	10 unit(s)	~~12,40~~	**9,85**
2	PP, Frit made of PE	**7926.1**	100 unit(s)	~~106,35~~	**85,00**
5	PP, Frit made of PE	**7927.2**	10 unit(s)	~~16,05~~	**12,75**
5	PP, Frit made of PE	**7927.1**	100 unit(s)	~~127,95~~	**102,30**
10	PP, Frit made of PE	**7944.2**	10 unit(s)	~~18,20~~	**14,50**
10	PP, Frit made of PE	**7944.1**	100 unit(s)	~~138,70~~	**110,90**

Frits for Reactors

ROTH SELECTION.

Suitable for	Version	Art. No.	Pack Qty.	€	€
2 ml reactors	PE	**226H.1**	100 unit(s)	~~80,55~~	**64,35**
5 ml reactors	PE	**226K.1**	100 unit(s)	~~123,65~~	**98,90**
10 ml reactors	PE	**226L.1**	100 unit(s)	~~155,90~~	**124,70**
20 ml reactors	PE	**220N.1**	100 unit(s)	~~155,90~~	**124,70**
2 ml reactors	PTFE	**7946.1**	100 unit(s)	~~112,90~~	**90,30**
5 ml reactors	PTFE	**7960.1**	100 unit(s)	~~127,95~~	**102,30**
10 ml reactors	PTFE	**7962.1**	100 unit(s)	~~150,50~~	**120,40**



Luer Stop Caps for Reactors

ROTH SELECTION.

Suitable for	Art. No.	Pack Qty.	€	€
Luer (male and female)	**1Y23.1**	10 unit(s)	~~14,55~~	**11,60**
Luer (male and female)	**1Y23.2**	100 unit(s)	~~104,85~~	**83,85**

Shaker Orbital digital

Heathrow Scientific.

- Circular movement
- Plates, petri dishes, glass flasks and culture bottles can be secured flexibly using elastic bands
- Digital display of speed and operating time
- Electronic speed control with soft start-up
- Loading options: e.g. 9 x 250 ml Erlenmeyer flasks or 4 x 500 ml Erlenmeyer flasks or 4 x 1000 ml Erlenmeyer flasks or 16 x 250 ml beakers or 4 x 1000 ml beakers
- 5 years warranty

Technical specifications:

Art. No.	PY67.1
Type	Digital orbital shaker
Movement type	circular
Speed range	20 to 300 rpm
Shaking amplitude (stroke)	19 mm
Timer	1 min to 49 h or continuous operation
Shaking surface area	279 x 279 mm
W x D x H	314 x 312 x 197 mm
Loading capacity	4.5 kg
Permissible ambient conditions	+2 to +40 °C at 80% RH
Mains connection	100–240 V, 50/60 Hz

Delivery incl. platform with rubber mat and 8 elastic bands.

Type	Art. No.	Pack Qty.		
Digital orbital shaker	**PY67.1**	1 unit(s)	~~1267,45~~	**1013,90**

RECHTSTREEKSE BESTELLINGEN

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CARL ROTH®

3D printing

TOP Offers!

ROTH

Valid from 1 October to 31 December 2026

Filaments



Panchroma Basic PLA

-15 %

The Panchroma Basic PLA range from Polymaker stands out for its ease of use, excellent dimensional accuracy, and outstanding print quality. This filament is ideal for prototypes, display models, small production runs, and a wide variety of other FDM 3D printing applications. Thanks to its excellent layer adhesion and low warping characteristics, even complex prints can be produced reliably. The high-quality material ensures consistent extrusion and an attractive surface finish. In addition, the extensive color range offers countless possibilities for creative projects. This makes Panchroma Basic PLA the ideal choice for both beginners and experienced makers.

Filament colour	Ø	Art. No.	Pack Qty.	€	€
White	1,75 mm	**24LM.1**	1 kg	~~21,40~~	**18,15**
Grey	1,75 mm	**24LU.1**	1 kg	~~21,40~~	**18,15**
Steel Grey	1,75 mm	**24LW.1**	1 kg	~~21,40~~	**18,15**
Red	1,75 mm	**24M0.1**	1 kg	~~21,40~~	**18,15**
Blue	1,75 mm	**24M1.1**	1 kg	~~21,40~~	**18,15**
Black	1,75 mm	**24M2.1**	1 kg	~~21,40~~	**18,15**
Green	1,75 mm	**24M3.1**	1 kg	~~21,40~~	**18,15**
Orange	1,75 mm	**24M4.1**	1 kg	~~21,40~~	**18,15**
Pink	1,75 mm	**24M5.1**	1 kg	~~21,40~~	**18,15**
Purple	1,75 mm	**24M6.1**	1 kg	~~21,40~~	**18,15**
Yellow	1,75 mm	**24M7.1**	1 kg	~~21,40~~	**18,15**
Wine Red	1,75 mm	**24M8.1**	1 kg	~~21,40~~	**18,15**
Jungle Green	1,75 mm	**24M9.1**	1 kg	~~21,40~~	**18,15**
Olive Green	1,75 mm	**24MA.1**	1 kg	~~21,40~~	**18,15**
Beige	1,75 mm	**24MC.1**	1 kg	~~21,40~~	**18,15**
Aqua Blue	1,75 mm	**24ME.1**	1 kg	~~21,40~~	**18,15**
Stone Blue	1,75 mm	**24MG.1**	1 kg	~~21,40~~	**18,15**
Brown	1,75 mm	**24MU.1**	1 kg	~~21,40~~	**18,15**
Lemon Yellow	1,75 mm	**24PG.1**	1 kg	~~21,40~~	**18,15**
Polymaker Teal	1,75 mm	**24TM.1**	1 kg	~~21,40~~	**18,15**
Cream	1,75 mm	**24TU.1**	1 kg	~~21,40~~	**18,15**
Lime Green	1,75 mm	**24TW.1**	1 kg	~~21,40~~	**18,15**
Magenta	1,75 mm	**24U0.1**	1 kg	~~21,40~~	**18,15**
Azure Blue	1,75 mm	**24U1.1**	1 kg	~~21,40~~	**18,15**
Tan	1,75 mm	**24U2.1**	1 kg	~~21,40~~	**18,15**
Dark Olive Drab	1,75 mm	**24U3.1**	1 kg	~~21,40~~	**18,15**
Cold White	1,75 mm	**24U4.1**	1 kg	~~21,40~~	**18,15**
Dark Grey	1,75 mm	**24U5.1**	1 kg	~~21,40~~	**18,15**

Bedrock 3D Flexible Filaments

-10 %

The Bedrock 3D portfolio includes flexible materials for demanding industrial applications. Their properties include a soft feel, exceptional flexibility, high rebound, and excellent abrasion resistance. This makes these filaments the ideal choice when long-term component flexibility is required.

Product name	Colour	Ø	Art. No.	Pack Qty.	€	€
Bedrock 3D TPU 64D	white	1.75 mm	**26HN.1**	750 g	~~34,30~~	**30,85**
	black		**26HT.1**	750 g	~~34,30~~	**30,85**
Bedrock 3D TPU 85A	natural	1.75 mm	**26HK.1**	750 g	~~38,60~~	**34,70**
Bedrock 3D TPU 95A	white	1.75 mm	**26HY.1**	750 g	~~38,60~~	**34,70**
	black		**26K1.1**	750 g	~~38,60~~	**34,70**

All filaments are also available online in a 2.85 mm diameter.



Bedrock 3D Advanced Filaments

-10 %

The advanced filament portfolio of the Bedrock 3D brand includes a wide range of high-performance materials specifically developed for industrial applications. Their consistently high print quality and precision make them the ideal choice for numerous industrial sectors. Properties such as high temperature, chemical, and dimensional stability ensure that your 3D-printed parts reliably meet even the most demanding long-term performance requirements.

Product name	Colour	Ø	Art. No.	Pack Qty.	€	€
Bedrock 3D ASA	natural	1.75 mm	**26EC.1**	750 g	~~42,90~~	**38,55**
	black		**26EH.1**	750 g	~~42,90~~	**38,55**
Bedrock 3D ABS Fusion+	natural	1.75 mm	**26Y5.1**	750 g	~~24,65~~	**22,15**
	black		**26Y7.1**	750 g	~~24,65~~	**22,15**
	grey		**26Y9.1**	750 g	~~24,65~~	**22,15**
Bedrock 3D PPSU	natural	1.75 mm	**26K3.1**	750 g	~~287,05~~	**258,30**
Bedrock 3D PC/ABS FR	black	1.75 mm	**26EX.1**	750 g	~~57,95~~	**52,10**
Bedrock 3D PLA PRO1*	natural white	1.75 mm	**26H2.1**	750 g	~~38,60~~	**34,70**
	black		**26H4.1**	750 g	~~38,60~~	**34,70**
	grey		**26H6.1**	750 g	~~38,60~~	**34,70**
Bedrock 3D PLA Tough*	natural	1.75 mm	**26H8.1**	750 g	~~28,50~~	**25,60**
	black		**26HA.1**	750 g	~~28,50~~	**25,60**
Bedrock 3D PAHT CF15	black	1.75 mm	**26KE.1**	750 g	~~87,65~~	**78,85**
Bedrock 3D PET CF15	black	1.75 mm	**26KN.1**	750 g	~~77,30~~	**69,55**

All filaments are also available in 2.85 mm diameter.
Filaments marked with * are also available in several sizes.

Resins

Henkel Loctite® 3D printing resins

-5 %



The Loctite® 3D portfolio offers a selection of advanced speciality resins from Henkel that are characterised by their distinct and unique properties. These materials have been specifically developed to fulfil specific requirements in industrial, medical and commercial applications.

Product name	Colour	Art. No.	Pack Qty.	€	€
Loctite® 3D 3172	grey	**3920.1**	1 kg	~~193,50~~	**183,80**
Loctite® 3D 3843	transparent	**392A.1**	1 kg	~~236,50~~	**224,65**
	white	**392C.1**	1 kg	~~236,50~~	**224,65**
	matte black	**392E.1**	1 kg	~~193,50~~	**183,80**
Loctite® 3D 3955	black	**392N.1**	1 kg	~~387,00~~	**367,65**
Loctite® 3D IND147	black	**392X.1**	1 kg	~~279,50~~	**265,50**
Loctite® 3D IND249	black	**392Y.1**	1 kg	~~279,50~~	**265,50**
Loctite® 3D IND402	black	**393A.1**	1 kg	~~268,75~~	**255,30**
Loctite® 3D IND403	black	**393K.1**	1 kg	~~247,25~~	**234,85**
Loctite® 3D IND405	transparent	**392H.1**	1 kg	~~193,50~~	**183,80**
	black	**392K.1**	1 kg	~~193,50~~	**183,80**
Loctite® 3D IND406	black	**3932.1**	1 kg	~~247,25~~	**234,85**
Loctite® 3D IND475	black	**393C.1**	1 kg	~~241,90~~	**229,75**
	white	**393E.1**	1 kg	~~241,90~~	**229,75**
Loctite® 3D IND3380	black	**392P.1**	1 kg	~~387,00~~	**367,65**
Loctite® 3D IND3785	white	**20W1.1**	1 kg	~~322,50~~	**306,35**
Loctite® 3D IND5714	grey	**393H.1**	1 kg	~~241,90~~	**229,75**
Loctite® 3D IND6845	matte black	**397N.1**	1 kg	~~193,50~~	**183,80**
Loctite® 3D PRO410	black	**396X.1**	1 kg	~~86,00~~	**81,70**
Loctite® 3D PRO417	black	**396Y.1**	1 kg	~~129,00~~	**122,55**
Loctite® 3D PRO476	black	**3974.1**	1 kg	~~129,00~~	**122,55**
Loctite® 3D PRO9274	grey	**3977.1**	1 kg	~~86,00~~	**81,70**

All containers are also available in 5 kg on request.

Ultracur3D® Rigid Series

-5 %



The resins in the Ultracur3D® Rigid series are characterized by high flexural modulus and maximum thermal stability. They have been specially developed to offer class-leading tensile strength and rigidity, high print accuracy with low shrinkage and to ensure the long-term UV stability of printed parts. Ultracur3D® RG prints have low water uptake and are easy to polish.

Product name	Colour	Art. No.	Pack Qty.	€	€
Ultracur3D® RG 35	transparent	**26TN.1**	1 kg	~~160,20~~	**152,15**
		26TN.2	5 kg	~~751,45~~	**713,85**
	black	**26TP.1**	1 kg	~~160,20~~	**152,15**
Ultracur3D® RG 1100	transparent	**26TT.1**	1 kg	~~177,40~~	**168,50**
	black	**26TX.1**	1 kg	~~177,40~~	**168,50**
		26TX.2	5 kg	~~826,70~~	**785,30**
Ultracur3D® RG 3280	beige	**26TY.1**	1.65 kg	~~428,95~~	**407,45**
		26TY.2	8.25 kg	~~1.998,45~~	**1.898,50**
Ultracur3D® RG 9400 B FR	black	**26X0.1**	1 kg	~~317,15~~	**301,25**

Accessories

Solvents for 3D printing



-20 %

Our selection of cleaning and post-processing solvents gives you the tools to remove support structures, smooth surfaces and refine details.

Product name	Art. No.	Pack Qty.	€	€
Acetic acid ethyl ester	**272T.1**	1 l	~~22,05~~	**17,60**
	272T.2	5 l	~~77,95~~	**62,35**
Acetone	**272L.1**	1 l	~~16,05~~	**12,75**
	272L.2	5 l	~~74,75~~	**59,75**
Dibasic ester (DBE)	**272N.1**	1 l	~~23,15~~	**18,45**
	272N.2	5 l	~~90,85~~	**72,65**
Dipropylene glycol monomethyl ether (DPM)	**272P.1**	1 l	~~27,85~~	**22,25**
	272P.2	5 l	~~110,20~~	**88,15**
Ethanol	**272X.1**	1 l	~~14,95~~	**11,90**
	272X.2	5 l	~~68,70~~	**54,90**
Isopropanol	**272Y.1**	1 l	~~14,95~~	**11,90**
	272Y.2	5 l	~~68,70~~	**54,90**
	272Y.3	25 l	~~241,90~~	**193,50**
Tri(propylene glycol) monomethyl ether (TPM)	**273A.1**	1 l	~~42,90~~	**34,25**
	273A.2	5 l	~~127,95~~	**102,30**

► Additional accessories for 3D printing can be found in our online shop.



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Life Science

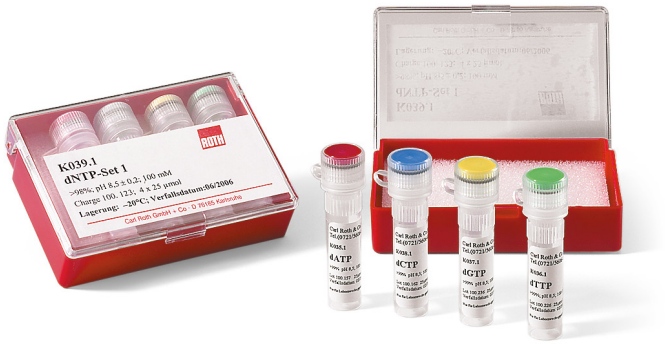
Price Hit!

Valid from 1 October to 31 December 2026
Further special prices: see current Life Science-Brochure!

-30 %

Nucleotides

dNTP Sets and dNTP Mixtures



Applicable to
PCR, light-cycling, cDNA synthesis, labelling and primer-extension, mutagenesis-assays, sequencing reactions and *in vitro* transcription.

All Carl ROTH nucleotides are produced from high-quality starting reagents and carefully checked for quality. The quality check always includes a “long-run-PCR”, repeated quantitative runs in the light cycler and physical stability tests.



- Available as ready-to-use set or mix, for contamination-free applications
- Can be optimally combined with ROTI®Pol DNA polymerases from Carl ROTH
- Tested for “long range PCR”
- DNAse-, RNAse-, Protease- and Phosphatase-free
- Free of PCR inhibitors like modified bases and tetra-pyrophosphate
- Adjusted to pH 8,5 for superior stability even during larger numbers of freeze-and-thaw cycles
- Highly efficient enzymatic fabrication of dATP, dGTP, dCTP and dUTP. dTTP ist synthesized chemically.

dNTP Sets

DNase-free · RNase-free · Protease-free · Phosphatase-free · PCR inhibitor-free

Product name	Purity	General application	Instructions for use	Packaging	Art. No.	Pack Qty.	€	€
dNTP-Set 1	≥99 % dATP, dTTP, dGTP, dCTP, 100 mM per dNTP	For PCR and RT, nucleotide set composed of solutions of dATP, dTTP, dGTP, dCTP	Concentration: 100 mM per dNTP Typical end concentration in PCR: 200 µM each	4 x 25 µmol (250 µl), 100 mM	K039.1	1 set	~~145,15~~	101,55
				5 x 4 x 25 µmol (250 µl), 100 mM	K039.2	1 set	~~585,90~~	410,10
dNTP-Set 2	≥99 % dATP, dUTP, dGTP, dCTP, 100 mM per dNTP	For PCR and RT, nucleotide set composed of solutions of dATP, **dUTP**, dGTP, dCTP	Concentration: 100 mM per dNTP Typical end concentration in PCR: 200 µM each	4 x 25 µmol	L540.1	1 set	~~145,15~~	101,55
				5 x 4 x 25 µmol	L540.2	1 set	~~585,90~~	410,10
dNTP-Set 3	≥99 % dATP, dTTP, dITP, dCTP, 100 mM per dNTP	For PCR and RT, nucleotide set composed of solutions of dATP, dTTP, **dITP**, dCTP	Concentration: 100 mM per dNTP Typical end concentration in PCR: 200 µM each	4 x 25 µmol	P731.1	1 set	~~145,15~~	101,55
				5 x 4 x 25 µmol	P731.2	1 set	~~585,90~~	410,10

dNTP Mixtures

ready-to-use · DNase-free · RNase-free · Protease-free · Phosphatase-free · PCR inhibitor-free

Product name	Purity	General application	Instructions for use	Packaging	Art. No.	Pack Qty.	€	€
ROTI®Mix PCR 1	2 mM (/dNTP), 8 mM (total), dATP, dTTP, dGTP, dCTP, ready-to-use	For PCR and RT.	Concentration: 2 mM per dNTP Typical end concentration in PCR: 200 µM each	1 x 1 ml	L541.1	1 ml	~~34,30~~	23,95
				5 x 1 ml	L541.2	5 ml	~~134,40~~	94,05
ROTI®Mix PCR 3	10 mM (/dNTP), 40 mM (total), dATP, dTTP, dGTP, dCTP, ready-to-use	For PCR and RT.	Concentration: 10 mM per dNTP Typical end concentration in PCR: 200 µM each	1 x 0.2 ml	L785.1	0.2 ml	~~33,90~~	23,70
				5 x 0,2 ml	L785.2	1 ml	~~134,40~~	94,05
				5 x 1 ml	L785.3	5 ml	~~547,20~~	383,00

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-30 %

ROTH

ROTISOLV®
HPLC Solvents





Product name	Purity	Art. No.	Pack Qty.	€	€
Acetic acid ethyl ester	≥99,9 %, HPLC	**7336.2**	1 l	~~57,55~~	**40,25**
		7336.1	2.5 l	~~112,90~~	**79,00**
Acetonitrile	≥99,95 %, HPLC Ultra Gradient Grade	**T195.1**	1 l	~~119,90~~	**83,90**
		T195.2	2.5 l	~~196,20~~	**137,30**
	≥99,9 %, HPLC Gradient Grade	**8825.1**	1 l	~~75,15~~	**52,55**
		8825.2	2.5 l	~~149,45~~	**104,60**
	≥99,9 %, HPLC Gradient	**HN44.1**	1 l	~~64,40~~	**45,00**
		HN44.2	2.5 l	~~131,70~~	**92,15**
	≥99,9 %, HPLC Grade	**25HY.1**	2.5 l	~~123,65~~	**86,50**
	≥99,9 %, HPLC	**7330.1**	1 l	~~62,25~~	**43,50**
		7330.2	2.5 l	~~112,90~~	**79,00**
	≥99,9 %, HPLC, isocratic	**CN20.1**	1 l	~~60,75~~	**42,50**
		CN20.2	2.5 l	~~112,90~~	**79,00**
	≥99,8 %, for preparative HPLC	**6827.1**	2.5 l	~~91,30~~	**63,85**
		6827.2	25 l	~~650,40~~	**455,25**
tert-Butyl methyl ether	≥99,5 %, HPLC	**T175.2**	1 l	~~67,65~~	**47,30**
		T175.1	2.5 l	~~150,50~~	**105,35**
Dichloromethane	≥99,9 %, HPLC, stabilised with <30 ppm amylene	**7334.2**	1 l	~~55,40~~	**38,75**
		7334.1	2.5 l	~~92,35~~	**64,60**
N,*N*-Dimethyl-formamide (DMF)	≥99,8 %, HPLC	**0702.1**	2.5 l	~~166,65~~	**116,60**
Dimethyl sulphoxide (DMSO)	≥99,9 %, HPLC	**0728.1**	2.5 l	~~220,40~~	**154,25**
n-Heptane	≥99 %, HPLC Grade	**25K2.1**	2.5 l	~~166,65~~	**116,60**
	≥99 %, HPLC	**6828.1**	2.5 l	~~155,90~~	**109,10**

Product name	Purity	Art. No.	Pack Qty.	€	€
n-Hexane	≥98 %, HPLC	**7339.2**	1 l	~~61,20~~	**42,75**
		7339.1	2.5 l	~~123,65~~	**86,50**
Methanol	≥99,95 %, HPLC Ultra Gradient Grade	**X948.1**	1 l	~~37,55~~	**26,20**
		X948.2	2.5 l	~~66,55~~	**46,55**
	≥99,9 %, HPLC Gradient Grade	**7342.2**	1 l	~~33,90~~	**23,70**
		7342.1	2.5 l	~~57,55~~	**40,25**
	≥99,9 %, HPLC Gradient	**KK39.2**	2.5 l	~~45,05~~	**31,50**
	≥99,9 %, HPLC Grade	**25K1.1**	2.5 l	~~48,30~~	**33,75**
	≥99,9 %, HPLC	**P717.2**	1 l	~~28,50~~	**19,90**
		P717.1	2.5 l	~~47,85~~	**33,45**
Tetrahydrofuran	≥99,9 %, HPLC, unstabilised	**7344.1**	1 l	~~87,65~~	**61,30**
		7344.2	2.5 l	~~177,40~~	**124,15**
Toluene	≥99,9 %, HPLC	**7346.2**	1 l	~~57,55~~	**40,25**
		7346.1	2.5 l	~~120,95~~	**84,65**
Trichloromethane/ Chloroform	≥99,9 %, HPLC, stabilised with amylene	**28CP.1**	2.5 l	~~138,70~~	**97,05**
	≥99,9 %, HPLC, stabilised with ethanol	**7331.2**	1 l	~~58,60~~	**41,00**
		7331.1	2.5 l	~~127,95~~	**89,55**
Water	HPLC Gradient Grade	**A511.1**	1 l	~~26,80~~	**18,70**
		A511.2	2.5 l	~~50,00~~	**34,95**
		A511.3	5 l	~~90,85~~	**63,55**
		A511.7	20 l	~~317,15~~	**221,95**
	HPLC	**1C5K.1**	1 l	~~19,90~~	**13,90**
		1C5K.2	2.5 l	~~33,25~~	**23,20**

For safety information and additional data, see www.carlroth.com

Biological Buffers

-30 %



BICINE

PUFFERAN® ≥99 %

Art. No.	Pack Qty.	Pack.	€	€
9162.1	50 g	plastic	~~55,40~~	38,75
9162.2	250 g	plastic	~~177,40~~	124,15
9162.3	500 g	plastic	~~255,35~~	178,70

BIS-TRIS

PUFFERAN® ≥99 %

Art. No.	Pack Qty.	Pack.	€	€
9140.1	50 g	plastic	~~77,95~~	54,55
9140.2	250 g	plastic	~~327,90~~	229,50
9140.3	500 g	plastic	~~547,20~~	383,00
9140.8	1 kg	plastic	~~843,90~~	590,70
9140.4	5 kg	plastic	~~3.171,25~~	2.219,85

CHAPS

PUFFERAN® ≥98 %, for biochemistry

Buffer substance, zwitterionic detergent

Warning H315-H319-H335

Art. No.	Pack Qty.	Pack.	€	€
1479.1	5 g	plastic	~~80,10~~	56,05
1479.3	10 g	plastic	~~138,70~~	97,05
1479.2	25 g	plastic	~~278,45~~	194,90
1479.4	100 g	plastic	~~600,95~~	420,65

HEPES

PUFFERAN® CELLPURE® ≥99,5 %

For cell culture, tissue culture and biotechnology.

Art. No.	Pack Qty.	Pack.	€	€
HN77.1	50 g	plastic	~~40,35~~	28,20
HN77.2	100 g	plastic	~~58,60~~	41,00
HN77.3	250 g	plastic	~~110,20~~	77,10
HN77.4	500 g	plastic	~~198,90~~	139,20
HN77.5	1 kg	plastic	~~353,70~~	247,55
HN77.6	2.5 kg	plastic	~~697,70~~	488,35

HEPES

PUFFERAN® ≥99,5 %, p.a.

For biochemistry and molecular biology.

Art. No.	Pack Qty.	Pack.	€	€
9105.2	100 g	plastic	~~46,80~~	32,70
9105.1	250 g	plastic	~~96,65~~	67,60
9105.4	500 g	plastic	~~188,15~~	131,65
9105.3	1 kg	plastic	~~327,90~~	229,50
9105.6	2.5 kg	plastic	~~654,70~~	458,25
9105.5	5 kg	plastic	~~1.209,40~~	846,55

MES

PUFFERAN® ≥99 %

For molecular biology and biochemistry

Art. No.	Pack Qty.	Pack.	€	€
4256.2	100 g	plastic	~~88,05~~	61,60
4256.5	250 g	plastic	~~188,15~~	131,65
4256.3	500 g	plastic	~~353,70~~	247,55
4256.4	1 kg	plastic	~~611,70~~	428,15

MES monohydrate

PUFFERAN® ≥99 %

Art. No.	Pack Qty.	Pack.	€	€
6066.1	50 g	plastic	~~35,40~~	24,70
6066.2	100 g	plastic	~~59,05~~	41,25
6066.3	500 g	plastic	~~220,40~~	154,25
6066.4	1 kg	plastic	~~418,20~~	292,70

MOPS

PUFFERAN® ≥99,5 %

Art. No.	Pack Qty.	Pack.	€	€
6979.2	250 g	plastic	~~104,20~~	72,85
6979.4	500 g	plastic	~~188,15~~	131,65
6979.3	1 kg	plastic	~~349,40~~	244,55
6979.5	2.5 kg	plastic	~~708,45~~	495,90

PIPES

PUFFERAN® ≥99 %

Art. No.	Pack Qty.	Pack.	€	€
9156.1	25 g	plastic	~~26,80~~	18,70
9156.2	100 g	plastic	~~83,35~~	58,30
9156.3	250 g	plastic	~~177,40~~	124,15
9156.4	500 g	plastic	~~317,15~~	221,95

TES

PUFFERAN® ≥99 %

Art. No.	Pack Qty.	Pack.	€	€
9137.1	10 g	plastic	~~34,95~~	24,45
9137.2	100 g	plastic	~~169,35~~	118,50
9137.3	500 g	plastic	~~499,90~~	349,90

TES sodium salt

PUFFERAN® ≥99 %

Not a medical device / Not an IVD product

Art. No.	Pack Qty.	Pack.	€	€
279X.2	25 g	plastic	~~73,65~~	51,55
279X.3	100 g	plastic	~~220,40~~	154,25
279X.1	500 g	plastic	~~1.020,20~~	714,10

TRICINE

≥99 %, BioScience Grade

Art. No.	Pack Qty.	Pack.	€	€
6977.1	50 g	plastic	~~37,55~~	26,20
6977.4	250 g	plastic	~~147,85~~	103,45
6977.2	500 g	plastic	~~267,70~~	187,35
6977.3	1 kg	plastic	~~478,40~~	334,85
6977.5	2.5 kg	plastic	~~934,20~~	653,90

TRIS

PUFFERAN® ≥99,9 %, p.a.

For sensitive assays in molecular biology and cytology.

Art. No.	Pack Qty.	Pack.	€	€
4855.6	250 g	plastic	~~50,00~~	34,95
4855.1	500 g	plastic	~~87,65~~	61,30
4855.2	1 kg	plastic	~~161,25~~	112,85
4855.5	2.5 kg	plastic	~~332,20~~	232,50
4855.3	5 kg	plastic	~~622,45~~	435,70
4855.4	10 kg	plastic	~~1.198,65~~	839,00
4855.7	25 kg	plastic	~~2.784,25~~	1.948,95

TRIS

PUFFERAN® ≥99,9 %, Ultra Quality

For all standard applications.
Suitable for pharmaceutical research.

Art. No.	Pack Qty.	Pack.	€	€
5429.1	500 g	plastic	~~79,45~~	55,55
5429.3	1 kg	plastic	~~150,00~~	104,95
5429.5	2.5 kg	plastic	~~310,70~~	217,45
5429.2	5 kg	plastic	~~600,95~~	420,65
5429.4	10 kg	plastic	~~1.166,40~~	816,45

TRIS

≥99 %, Ph. Eur., USP

Pharmaceutical research and sensitive assays

Art. No.	Pack Qty.	Pack.	€	€
A411.1	500 g	plastic	~~76,90~~	53,80
A411.2	1 kg	plastic	~~149,45~~	104,60
A411.4	2.5 kg	plastic	~~310,70~~	217,45
A411.3	5 kg	plastic	~~596,65~~	417,60

TRIS hydrochloride

PUFFERAN® ≥99 %, p.a.

Ideal for all molecular biological applications.

Not a medical device / Not an IVD product

Art. No.	Pack Qty.	Pack.	€	€
9090.1	50 g	plastic	~~19,90~~	13,90
9090.6	250 g	plastic	~~79,05~~	55,30
9090.2	500 g	plastic	~~134,40~~	94,05
9090.3	1 kg	plastic	~~224,70~~	157,25
9090.5	2.5 kg	plastic	~~439,70~~	307,75
9090.4	5 kg	plastic	~~833,15~~	583,15
9090.7	10 kg	plastic	~~1.424,40~~	997,05
9090.8	25 kg	plastic	~~2.741,25~~	1.918,85

Agaroses



DNase-free RNase-free

-30 %

All lots of ROTI®Garose are quality tested by electrophoresis.

Product name	Purity	General application	Art. No.	Pack Qty.	€	€
Agarose Broad Range	BioScience Grade	For gel electrophoresis, total size range (200 bp–40 kb).	**T846.1**	10 g	~~34,30~~	**23,95**
			T846.2	100 g	~~177,40~~	**124,15**
			T846.3	500 g	~~751,45~~	**526,00**
Agarose GTQ	Genetic engineering quality	Especially tested agarose for gel elution and biomolecular approaches (500 bp–20 kb).	**6352.1**	10 g	~~35,40~~	**24,70**
			6352.2	100 g	~~217,70~~	**152,35**
			6352.4	500 g	~~912,70~~	**638,85**
Agarose HEEO ultra-quality	high electroendosmosis (EEO = 0,23–0,26)	Special agarose for protein separation and countercurrent electrophoresis.	**2269.1**	10 g	~~31,75~~	**22,20**
			2269.2	100 g	~~170,95~~	**119,65**
			2269.3	1 kg	~~1.177,15~~	**823,95**
Agarose High Resolution	for small fragments	Special agarose for PCR gels and small DNA fragments (50 bp–1 kb).	**K297.1**	10 g	~~77,30~~	**54,05**
			K297.2	100 g	~~493,45~~	**345,40**
			K297.3	500 g	~~2.058,65~~	**1.441,00**
Agarose HR-PLUS	for analytical gels	Special agarose for use in the main analytical range (100 bp–3 kb).	**HP30.1**	10 g	~~64,00~~	**44,75**
			HP30.2	100 g	~~385,95~~	**270,15**
			HP30.3	500 g	~~1.499,65~~	**1.049,70**
Agarose MEEO ultra-quality	middle electroendosmosis (EEO = 0,16–0,19)	Special agarose for immuno, countercurrent, serum and antibody electrophoresis (500 bp–10 kb).	**2268.1**	10 g	~~29,60~~	**20,65**
			2268.2	100 g	~~160,20~~	**112,10**
			2268.4	500 g	~~661,15~~	**462,75**
			2268.3	1 kg	~~1.101,90~~	**771,30**
Agarose NEEO ultra-quality TIP	low electroendosmosis (EEO = 0.05–0.13)	High-quality agarose for all general applications (500 bp–20 kb).	**2267.1**	10 g	~~27,45~~	**19,15**
			2267.2	100 g	~~131,70~~	**92,15**
			2267.5	250 g	~~295,65~~	**206,90**
			2267.4	500 g	~~553,65~~	**387,50**
			2267.3	1 kg	~~962,15~~	**673,45**
Agarose Pulsed-Field	Genetic engineering quality, for pulsed field electrophoresis	Special agarose for separation of large fragments (20-50 kb).	**3771.1**	10 g	~~41,85~~	**29,20**
			3771.2	25 g	~~77,30~~	**54,05**
			3771.3	100 g	~~235,45~~	**164,80**
			3771.4	250 g	~~471,95~~	**330,35**
Agarose Standard	for DNA/RNA electrophoresis	General agarose for routine gels, student's courses, and standard analyses (1 kb–20 kb).	**3810.1**	10 g	~~24,20~~	**16,90**
			3810.2	100 g	~~95,60~~	**66,85**
			3810.5	250 g	~~192,45~~	**134,70**
			3810.3	500 g	~~370,90~~	**259,60**
			3810.4	1 kg	~~618,15~~	**432,65**
Agarose-Tablets	0,5 g agarose/tablet	Standard agarose with low EEO, for routine analyses (≥300 bp).	**HP67.6**	20 unit(s)	~~44,00~~	**30,75**
			HP67.7	200 unit(s)	~~342,95~~	**240,05**
			HP67.8	600 unit(s)	~~998,70~~	**699,05**

Product name	Purity	General application	Art. No.	Pack Qty.	€	€
Agarose LM/PCR	Genetic engineering quality, with low melting and gelling temperature	Particularly for gel elution of small fragments (50 bp–1500 bp).	**HP31.1**	5 g	~~57,55~~	**40,25**
			HP31.2	100 g	~~762,20~~	**533,50**
			HP31.3	250 g	~~1.467,40~~	**1.027,15**
Agarose Low Melt	with low melting and gelling temperature	Particularly for gel elution and in-gel-application in a wide size range (500 bp–20kb).	**6351.1**	5 g	~~53,25~~	**37,25**
			6351.5	25 g	~~213,95~~	**149,75**
			6351.2	100 g	~~747,15~~	**522,95**
			6351.4	500 g	~~3.004,65~~	**2.103,20**
Agarose Super LM	with particularly low melting and gelling temperature	Particularly for gel elution from melted agarose, capillary electrophoresis and in-gel processing (≥1000 bp).	**HP45.1**	5 g	~~57,95~~	**40,50**
			HP45.2	100 g	~~772,95~~	**541,05**
			HP45.3	250 g	~~1.494,25~~	**1.045,95**

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