



Life Science TOP Offers



-20% **NEW** ready-to-use

ROTI®Lux qPCR Master Mixe

Properties:

- High temperature stability
- Excellent sensitivity (<1 pg cDNA)
- Ultra-fast qPCR in <20 min
- For all common qPCR cyclers – optionally with or without ROX



ROTI®Lux Probe qPCR Master Mix

ROTI®Lux Probe qPCR Master Mixes are suitable for all common types of probe-based assays, for probe-based genotyping using multiplexing and for the analysis of gene expression in quantitative real-time PCR.

ROTI®Lux SYBR®Green qPCR Master Mix

ROTI®Lux SYBR®Green qPCR Master Mixes are suitable for all common types of quantitative gene expression analyses and genotyping using real-time PCR.

ROTI®Lux Probe qPCR Master Mix

2x conc., ready to use, no ROX

Art. No.	Packaging	Pack Qty.	Pack.	€	€
25KP.1	1 x 1 ml	1 ml	plastic	80,65	64,50
25KP.2	5 x 1 ml	5 ml	plastic	376,25	301,00
25KP.3	10 x 1 ml	10 ml	plastic	698,75	559,00

ROTI®Lux SYBR®Green qPCR Master Mix

2x conc., ready to use, no ROX

-25%

Art. No.	Packaging	Pack Qty.	Pack.	€	€
25KX.1	1 x 1 ml	1 ml	plastic	80,65	60,45
25KX.2	5 x 1 ml	5 ml	plastic	376,25	282,15
25KX.3	10 x 1 ml	10 ml	plastic	698,75	524,05

ROTI®Lux Probe qPCR Master Mix

2x, ready to use, low ROX

Art. No.	Packaging	Pack Qty.	Pack.	€	€
25KN.1	1 x 1 ml	1 ml	plastic	80,65	64,50
25KN.2	5 x 1 ml	5 ml	plastic	376,25	301,00
25KN.3	10 x 1 ml	10 ml	plastic	698,75	559,00

ROTI®Lux SYBR®Green qPCR Master Mix

2x conc., ready to use, low ROX

Art. No.	Packaging	Pack Qty.	Pack.	€	€
25KY.1	1 x 1 ml	1 ml	plastic	80,65	64,50
25KY.2	5 x 1 ml	5 ml	plastic	376,25	301,00
25KY.3	10 x 1 ml	10 ml	plastic	698,75	559,00

Valid from 1 October to 31 December 2024

Carl Roth GmbH + Co. KG · Schoemperlenstr. 3-5 · 76185 Karlsruhe

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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.

Concentration of Biomolecules

-20%

Centrifugation Filters ROTI®Spin

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



ROTI®Spin Centrifugal Devices

Sample volume:

- Initial volume: max. 5 ml
- Final volume: 40-100 µl

Product name	MWCO	Art. No.	Pack Qty.	€	€
ROTI®Spin MIDI	100 kDa	25TC.1	12 unit(s)	149,45	119,50
	50 kDa	25TN.1	12 unit(s)	149,45	119,50
	30 kDa	25TP.1	12 unit(s)	149,45	119,50
	10 kDa	25TT.1	12 unit(s)	149,45	119,50
	100 kDa	25TC.2	24 unit(s)	527,85	422,25
	50 kDa	25TN.2	24 unit(s)	527,85	422,25
	30 kDa	25TP.2	24 unit(s)	527,85	422,25
	10 kDa	25TT.2	24 unit(s)	527,85	422,25
	100 kDa	25TC.3	96 unit(s)	965,35	772,25
	50 kDa	25TN.3	96 unit(s)	965,35	772,25
	30 kDa	25TP.3	96 unit(s)	965,35	772,25
	10 kDa	25TT.3	96 unit(s)	965,35	772,25

For safety information and additional data, see our current catalogue or at www.carlroth.com

ROTI®Spin Centrifugal Devices

Sample volume:

- Initial volume: max. 15 ml
- Final volume: 200 µl



Product name	MWCO	Art. No.	Pack Qty.	€	€
ROTI®Spin MAXI	100 kDa	25TE.1	8 unit(s)	118,25	94,60
	50 kDa	25TH.1	8 unit(s)	118,25	94,60
	30 kDa	25TK.1	8 unit(s)	118,25	94,60
	10 kDa	25TL.1	8 unit(s)	118,25	94,60
	100 kDa	25TE.2	24 unit(s)	311,75	249,40
	50 kDa	25TH.2	24 unit(s)	311,75	249,40
	30 kDa	25TK.2	24 unit(s)	311,75	249,40
	10 kDa	25TL.2	24 unit(s)	311,75	249,40
	100 kDa	25TE.3	96 unit(s)	1.144,90	915,90
	50 kDa	25TH.3	96 unit(s)	1.144,90	915,90
	30 kDa	25TK.3	96 unit(s)	1.144,90	915,90
	10 kDa	25TL.3	96 unit(s)	1.144,90	915,90

For safety information and additional data, see our current catalogue or at www.carlroth.com

ROTI®SampleConcentrator Water

for molecular biology

Kit for the concentration of microorganisms and biomolecules from water.

ROTI®SampleConcentrator Water was developed to enrich biomolecules such as freely circulating nucleic acids, or microorganisms such as bacteria, algae, protozoa, but also bacteriophages and viruses from water samples. Approximately 1-1000 ml of fresh water of various origins can be used as a source.

The kit contains:

SCW Beads (1 g), SCW Beads (2 g), PBS, detailed instructions

Not a medical device / Not an IVD product

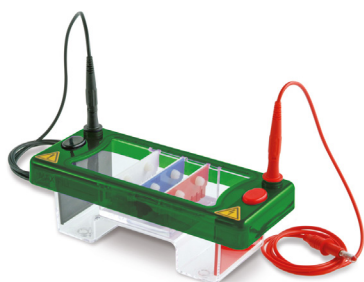
Art. No.	Packaging	Pack Qty.	Pack.	€	€
20N4.1	10 preparations	1 kit	cardboard	71,50	57,15
20N4.2	50 preparations	1 kit	cardboard	267,70	214,10





Agarose Gel Electrophoresis

-20%



Electrophoresis Unit ROTIPHORESE® Professional I

Carl ROTH. Material: (acrylate).

Gel chamber PROfessional I – for small gels with short separation distance, first choice for rapid single-bench analyses

- Electrophoresis chamber with accessories – ready for use
- Gel casting outside the chamber with gel casting gates
- Gel width 7 cm
- Seven different combs available in four thicknesses, including preparative combs with broad wells

Delivery incl. 1 horizontal gel chamber, 1 safety lid with integral power leads (4 mm plugs), 1 UV-transparent gel casting tray (7 x 7 cm) with 2 gel casting gates, 2 combs (1 mm, 8 teeth).

Type	Art. No.	Pack Qty.	€	€
PROfessional I	2788.1	1 unit(s)	573,00	457,95

ROTH Power Supply STANDARD

ROTH SELECTION.

For standard applications, all middle sized horizontal gels (routine gels) and for vertical mini gels. Suitable for cold-room operation.

Power Pro models (Roth STANDARD and Roth BLOT):

- Up to 30 individual protocols with 1–6 steps savable
- Pre-programmed options for special applications
- Connection with up to 5 units possible.

Type	Art. No.	Pack Qty.	€	€
STANDARD (PowerPro3200)	2908.1	1 unit(s)	868,60	694,45

Markers, staining solutions and buffers for agarose gel electrophoresis

Product name	Purity	General application	Art. No.	Pack Qty.	€	€
50 bp-DNA-Ladder	ready-to-use, not prestained	Size range: 50-500 bp Number of fragments: 10 Number of lanes per 100 µl: approx. 200 (mini gels)	2810.1	500 µl	131,70	105,35
100 bp-DNA-Ladder <i>extended</i>	lyophilised, not prestained	Size range: 100-5000 bp Number of fragments: 17 Number of lanes per 100 µg: approx. 160 (mini gels)	T835.1	50 µg	101,60	81,25
			T835.2	200 µg	376,25	301,00
1 kbp DNA-Ladder -25%	lyophilised, not prestained	Size range: 500-10000 bp Number of fragments: 11 Number of lanes per 100 µg: approx. 200 (mini gels)	Y014.1	50 µg	48,95	36,65
			Y014.2	200 µg	166,65	124,95
Ethidium bromide solution 0.025 % in dropper bottle	250 µg/ml in water, ready-to-use	For staining of DNA or RNA in agarose gels during electrophoresis.	HP47.1	15 ml	40,35	32,25
			HP47.2	75 ml	138,70	110,90
Ethidium bromide solution 1 %	10 mg/ml in water	For staining of DNA/RNA after electrophoresis.	2218.1	10 ml	14,55	11,60
			2218.4	15 ml	42,50	33,95
			2218.2	30 ml	32,80	26,20
			2218.3	100 ml	80,10	64,05
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.	3865.1	1 ml	127,95	102,30
			3865.2	5 ml	568,70	454,90
ROTI®Load DNA (with glycerol)	6x conc., DNase-free	DNA-gel loading buffer for DNA gel electrophoresis of routine gels.	X904.1	9 ml	52,60	42,00
ROTIPHORESE®50x TAE Buffer	50x conc.	Running buffer in DNA agarose gel electrophoresis.	CL86.1	1 l	77,95	62,35
			CL86.3	2.5 l	145,15	116,10
			CL86.2	5 l	224,70	179,70
ROTIPHORESE®5x TBE Buffer	5x conc.	TBE-buffer for preparing sequencing gels and as running buffer in electrophoresis.	1L9K.1	1 l	30,65	24,50
			1L9K.2	2.5 l	66,15	52,85
			1L9K.3	5 l	107,00	85,55
SYBR® Green DNA dye	11x conc., for electrophoresis, ready-to-use	For fluorescent staining of nucleic acids in agarose and polyacrylamide gels.	1CN2.1	1.8 ml	28,95	23,10
			1CN2.2	9.0 ml	117,20	93,70

For safety information and additional data, see our current catalogue or at www.carlroth.com

► You can find our **agaroses** in the enclosed flyer

Enzymes **-20%**

Proteinase K **DNase-free** **RNase-free**

Endopeptidase

Proteinase K (from *Tritirachium album*) is a non-specific protease of the serine protease family.

Proteinase K is used for the cleavage of proteins in nucleic acid preparations. It is mainly used in nucleic acid purification or for the removal of nucleases.

Proteinase K is active under a wide range of reaction conditions, including elevated temperatures and presence of SDS.



Proteinase K **-30%** ≥30 U/mg, lyophilized

Directions for use

The recommended working concentration: 50-100 µg/ml for protein and up to 2 mg/ml for tissue treatment.

Recommended stock solution: 20 mg/ml in water. Storage in aliquots at -20 °C.

Danger H315-H317-H319-H334-H335

Art. No.	Packaging	Pack Qty.	Pack.	€	€
23NX.6	1 x 25 mg	25 mg	glass	26,80	18,70
23NX.1	1 x 100 mg	100 mg	glass	83,75	58,55
23NX.2	1 x 500 mg	500 mg	glass	317,15	221,95
23NX.5	in 30 ml glass vial	500 mg	glass	342,95	240,05
23NX.3	1 x 1 g	1 g	glass	521,40	364,95
23NX.4	1 x 5 g	5 g	glass	2.090,90	1.463,60

Also available in

... BioAnalysis Grade

Proteinase K

≥30 mAnson U/mg, BioAnalysis Grade, lyophilized

Danger H315-H317-H319-H334-H335

Art. No.	Packaging	Pack Qty.	Pack.	€	€
7528.1	1 x 100 mg	100 mg	glass	120,30	96,20
7528.5	1 x 250 mg	250 mg	glass	224,70	179,70
7528.2	1 x 500 mg	500 mg	glass	407,45	325,90
7528.3	in 30 ml glass vial	500 mg	glass	446,15	356,90
7528.4	1 x 1 g	1 g	glass	671,90	537,50
7528.6	1 x 5 g	5 g	glass	2.682,15	2.145,70

... BioScience Grade

Proteinase K

≥35 U/mg, BioScience Grade, lyophilized

Danger H315-H317-H319-H334-H335

Art. No.	Pack Qty.	Pack.	€	€
3726.1	100 mg	glass	213,95	171,10
3726.2	1 g	glass	951,40	761,10

... or as a solution **S** **ready-to-use**

Proteinase K – Solution

20 mg/ml, sterile, ready-to-use, for biochemistry and molecular biology

Danger H317-H334

Art. No.	Pack Qty.	Pack.	€	€
3719.1	1 ml	glass	41,85	33,40
3719.2	5 ml	glass	166,65	133,30

Product name	Purity	General application	Art. No.	Pack Qty.	€	€
Catalase	≥11 700 U/mg material (approx. 40 000 U/mg protein)	From bovine liver, freeze-dried	6025.1	1 unit(s)	349,40	279,50
Elastase	≥200 U/mg, lyophilized	From porcine pancreas.	258E.1	10 mg	91,40	73,10
			258E.2	25 mg	198,90	159,10
			258E.3	100 mg	666,50	533,20
Hyaluronidase	≥1000 U/mg, lyophilized	From ovine testes.	257K.1	50 mg	42,90	34,25
			257K.2	100 mg	75,15	60,05
			257K.3	500 mg	299,95	239,90
Lysozyme -30%	≥45 000 FIP U/mg, lyophilized	From chicken egg white, free from albumin.	8259.1	1 g	38,20	26,70
			8259.2	10 g	192,45	134,70
			8259.3	25 g	392,40	274,65
Papain	>30 000 USP-U/mg, for biochemistry	Made from <i>Carica papaya</i> .	8933.1	25 g	66,55	53,20
			8933.2	100 g	181,70	145,30
Pepsin	≥2 000 FIP-U/g, for biochemistry	From porcine gastric mucosa. For detection of trichina in meat.	KK38.1	50 g	81,20	64,90
			KK38.2	100 g	134,40	107,50
			KK38.3	250 g	289,20	231,30
			KK38.4	1 kg	1.084,70	867,70
Trypsin	5.000 USP-U/mg	Serine protease isolated from porcine pancreas, lyophilized.	2193.1	100 mg	53,65	42,85
			2193.2	500 mg	209,65	167,70
			2193.3	5 g	1.881,25	1.505,00
Urease	~1 U/mg, for biochemistry	From jack beans <i>Canavalia ensiformis</i> .	7537.1	5 g	209,65	167,70
			9324.1	100 mg	103,10	82,45
Zymolyase® 20T	≥20 U/mg, for biochemistry and molecular biology	For lysis of yeast cells. Isolated from <i>Arthrobacter luteus</i> .	9324.2	500 mg	289,20	231,30
			9324.3	1 g	504,20	403,30

For safety information and additional data, see our current catalogue or at www.carlroth.com



PBS & PBST **-20%**

Phosphate buffered saline with or without Tween® for cell biology, molecular biology and biochemistry.



... as solution

Product name	Purity	pH value	Art. No.	Pack Qty.	€	€
ROTI®Cell PBS	ready-to-use, sterile, w/o Ca/Mg	7,4 ±0,1	9143.1	500 ml	18,20	14,50
			9143.2	1 l	25,30	20,20
ROTI®Cell 10x PBS	10x conc., sterile, w/o Ca/Mg	7,4 ±0,1	9150.1	1 l	61,85	49,45
ROTI®Stock 10x PBS	10x conc., BioScience Grade, ready-to-use, sterile filtered	7,4 ±0,25	1058.1	1 l	149,45	119,50
ROTI®Stock 10x PBST	10x conc., BioScience Grade, ready-to-use, sterile filtered	7,4 ±0,25	1059.1	1 l	155,90	124,70

For safety information and additional data, see our current catalogue or at www.carlroth.com

... as tablet



Product name	Batch quantity	pH value	Art. No.	Pack Qty.	€	€
ROTI®Fair PBS 7.2	1000 ml/tablet	7,2 ±0,05	1106.1	10 unit(s)	98,80	79,00
			1106.2	100 unit(s)	482,70	386,10
ROTI®Fair PBS 7.4	100 ml/tablet	7,4 ±0,05	1107.1	100 unit(s)	76,90	61,45
			1108.1	100 unit(s)	123,65	98,90
	200 ml/tablet	7,4 ±0,05	1111.1	12 unit(s)	66,55	53,20
			1111.2	100 unit(s)	267,70	214,10
			1112.1	10 unit(s)	98,80	79,00
1000 ml/tablet	7,4 ±0,05	1112.2	100 unit(s)	482,70	386,10	
		1115.1	12 unit(s)	84,40	67,50	
ROTI®Fair PBST 7.4	500 ml/tablet	7,4 ±0,05	1115.2	100 unit(s)	346,70	277,35
			1116.1	10 unit(s)	112,90	90,30
	1000 ml/tablet	7,4 ±0,05	1116.2	100 unit(s)	550,95	440,75

For safety information and additional data, see our current catalogue or at www.carlroth.com

... or as powder



Product name	Batch quantity	pH value	Art. No.	Pack Qty.	€	€
ROTI®Fair PBS 7.4	10 l/pouch	7,4 ±0,05	1101.1	1 unit(s)	49,35	39,45
	50 l/pouch	7,4 ±0,05	1103.1	1 unit(s)	163,95	131,15
	100 l/pouch	7,4 ±0,05	1104.1	1 unit(s)	267,70	214,10
ROTI®Fair 10x PBS 7.4	1000 ml/pouch	7,4 ±0,05	1105.1	5 unit(s)	129,55	103,60
ROTI®PreMix PBS	9.55 g/l	7,4 ±0,2	0890.1	250 g	94,10	75,25
			0890.2	1.25 kg	317,15	253,70
ROTI®PreMix PBST	10.05 g/l	7,4 ±0,2	0987.1	250 g	96,65	77,25
			0987.2	1.25 kg	321,45	257,10

For safety information and additional data, see our current catalogue or at www.carlroth.com

Cell Cultivation

Serum-reduced additive for cell culture

-10% **NEW** **S** 

Fetal Bovine Serum (FBS) LowCalf, South America CELLPURE® sterile

Serum-reduced supplement for cell culture
FCS · FBS Alternative

Collected in South America.

The FBS LowCalf was specially developed to minimize the use of foetal calf serum in cell culture. Part 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.

Advantages:

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



Directions for use

FBS LowCalf is added to the cell culture medium at a concentration of 10%. Thaw overnight at +2 to +8 °C and homogenize by gently swirling. After opening, store at +2 to +8 °C and use within 4 weeks. 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	64,40	57,90
286H.2	500 ml	plastic	268,75	241,85

Antibiotic solutions

-20%

ROTI®Cell Myco-Free **S** ready-to-use

CELLPURE® 50x conc., sterile, ready-to-use

For elimination of mycoplasma contamination in cell culture. ROTI®Cell Myco-Free is a reliable, rapidly effective reagent for eradication of contaminations by mycoplasmas and other bacteria in cell culture.

The sterile solution ROTI®Cell Myco-Free is composed of a mixture of specially selected antibiotics in PBS, which are known to be highly potent, even in very low concentrations. The effect is due to a specific interaction with prokaryotic protein biosynthesis by inhibition of translation and of the transcription complex located gyrase. Eukaryotic cells are not affected.

- Simple Application
- Reliable eradication
- Effective against all mycoplasmas and bacteria
- Not cytotoxic

One bottle of 100 ml is sufficient for approx. 300 applications.

Storage temperature: -20 °C
Transport temperature: cooled

Art. No.	Pack Qty.	Pack.	€	€
9830.1	100 ml	plastic	278,45	222,70

Product name	Purity	Endotoxin content	Art. No.	Pack Qty.	€	€
Geneticin disulphate (G418) solution	50 mg/ml, sterile	<10 E.U./ml	CP11.1	10 ml	81,60	65,25
			CP11.2	20 ml	112,90	90,30
			CP11.3	100 ml	456,90	365,50
	50 mg/ml, BioScience Grade, sterile, ready-to-use	<10 E.U./ml	2039.1	10 ml	81,60	65,25
			2039.2	20 ml	112,90	90,30
			2039.3	100 ml	456,90	365,50
Gentamycin sulphate solution	50 mg/ml, sterile	≤10 E.U./ml	HN09.1	20 ml	123,65	98,90
			HN09.2	100 ml	385,95	308,70
	50 mg/ml, BioScience Grade, sterile, ready-to-use		2475.1	20 ml	123,65	98,90
			2475.2	100 ml	385,95	308,70
Hygromycin B solution	50 mg/ml, sterile	<10 E.U./ml	CP12.1	10 ml	191,70	105,35
			CP12.2	20 ml	224,70	179,70
	50 mg/ml in PBS, BioScience Grade, sterile, ready-to-use	<10 E.U./ml	1287.1	10 ml	191,70	105,35
			1287.2	20 ml	224,70	179,70

For safety information and additional data, see our current catalogue or at www.carlroth.com



-20%

Contamination Detection in 10 Seconds



Lumitester SMART

Kikkoman.

Easy-to-use, lightweight luminometer for ATP measurement. For reliable monitoring of liquids, dry and wet surfaces as part of hygiene control in the manufacturing sector, in the foodstuffs and animal feed sector, in patients- and health care, in gastronomy and trade, in training and in many other areas.

Lumitester SMART is **not** suitable for the detection of virus contamination.

- Fast and easy handling
- Lightweight and easy-to-use
- Highly sensitive, precise measurement of ATP, ADP and AMP
- Ready for use after 8 seconds
- Auto-calibration
- Definition of own limit values is possible
- Storage of the measurement results in the cloud
- Date and time internal to the device

General properties:

- Hygiene monitoring in three simple steps
- Data visualization via App
- Access from anywhere with cloud storage

Delivery incl. 2 alkaline batteries (AA), 3 cleaning brushes, USB-Cable, strap, quick guide

Please order separately: LuciPac®Pen Aqua (Order No.No. NC58), LuciPac®Pen (Order No. NC59), LuciPac®A3 Aqua (Order No. 1ENK), LuciPac®A3 (Order No. 1ENH) and Lumitester LED Test Stick (Order No. NC60.1).



Type	Art. No.	Pack Qty.	€	€
Lumitester SMART	1E37.1	1 unit(s)	2.461,75	1.969,40



LuciPac®A3 **ready-to-use** for hygiene control of surfaces

Kikkoman.

Art. No.	Pack Qty.	Pack.	€	€
1ENH.1	20 unit(s)	aluminium bag	127,95	102,30
1ENH.2	100 unit(s)	aluminium bag	564,40	451,50



LuciPac®A3 Aqua **ready-to-use** for hygiene control of liquids

Kikkoman.

Art. No.	Pack Qty.	Pack.	€	€
1ENK.1	20 unit(s)	aluminium bag	127,95	102,30
1ENK.2	100 unit(s)	aluminium bag	564,40	451,50

Microbiological ready-to-use Nutrient Media **-20%**

ROTI®Plate90 ready-to-use

The ROTI®Plate90 ready-to-use culture media are easy to use and are suitable for a wide range of microbiological analyses thanks to the large selection of culture media. In addition to the detection of microorganisms on surfaces, these plates can also be used to test liquids for microorganisms using the membrane filtration method.

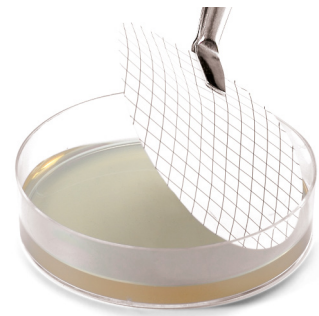


Product name	General application	Art. No.	Pack Qty.	€	€
ROTI®Plate90 BEA	For isolation and identification of intestinal enterococci from water samples.	1NA5.1	10 unit(s)	24,20	19,35
ROTI®Plate90 CASO -25%	For the cultivation of non-demanding microorganisms.	1ATX.1	10 unit(s)	17,75	13,25
ROTI®Plate90 CN	For the determination and enumeration of <i>Pseudomonas aeruginosa</i> from water samples by the membrane filter method.	1NA4.1	10 unit(s)	23,15	18,45
ROTI®Plate90 Columbia	For the isolation and cultivation of fastidious and non- fastidious microorganisms.	1K27.1	10 unit(s)	17,75	14,15
ROTI®Plate90 DG18	For counting and isolating xerophilic fungi, especially from semi-dry and dry foods.	1K24.1	10 unit(s)	21,00	16,75
ROTI®Plate90 Endo	For isolation of enteric gram-negative bacteria, especially coliforms, from water, dairy products and food.	1LE1.1	10 unit(s)	17,75	14,15
ROTI®Plate90 ESB	For the detection and determination of the number of faecal streptococci by membrane filtration.	1NA6.1	10 unit(s)	23,15	18,45
ROTI®Plate90 MacCon	For the selective isolation and identification of enterobacteria.	1NAA.1	10 unit(s)	24,20	19,35
ROTI®Plate90 MEA	For the cultivation of moulds and yeasts.	1K23.1	10 unit(s)	17,75	14,15
ROTI®Plate90 MRS	Selective medium for the isolation of lactobacilli.	1K26.1	10 unit(s)	17,75	14,15
ROTI®Plate90 Mueller Hinton	Nutrient medium for the sensitivity test.	1K22.1	10 unit(s)	17,75	14,15
ROTI®Plate90 PCA	For total bacterial count of aerobic microorganisms.	1AX1.1	10 unit(s)	17,75	14,15
ROTI®Plate90 R2A	For counting heterotrophic bacteria from water samples.	1NAC.1	10 unit(s)	24,20	19,35
ROTI®Plate90 Sab4	For the cultivation and counting of yeasts, moulds and dermatophytes.	1K25.1	10 unit(s)	17,75	14,15
ROTI®Plate90 Sab4Cla	For selective isolation of yeasts and pathogenic fungi. Selective medium for isolation of fungi according to European Pharmacopoeia.	1AX0.1 1LNY.1	10 unit(s) 10 unit(s)	17,75 23,15	14,15 18,45
ROTI®Plate90 TSA 4N -25%	For monitoring microbial contamination.	1K21.1	10 unit(s)	31,75	23,75
ROTI®Plate90 TSA	For detection and counting of <i>E. coli</i> and other coliform bacteria in food and water samples.	1ATT.1	10 unit(s)	17,75	14,15
ROTI®Plate90 VRBD	For the cultivation of enterobacteria.	1AX2.1	10 unit(s)	17,75	14,15
ROTI®Plate90 XLD	For the isolation of enteropathogenic bacteria, in particular shigella and salmonella.	1NA9.1	10 unit(s)	24,20	19,35
ROTI®Plate90 YE	For isolation and counting of bacteria, yeasts and moulds from water samples.	1NA7.1	10 unit(s)	21,00	16,75
ROTI®Plate90 YGC	For counting yeasts and moulds in milk and dairy products.	1ATY.1	10 unit(s)	17,75	14,15

For safety information and additional data, see our current catalogue or at www.carlroth.com

ROTI®-Aquatest Plates ready-to-use

ROTI®Aquatest Plates are ready-to-use nutrient plates with a diameter of 55 mm. They are therefore adapted to the size of membrane filters for the analysis of low-germ liquids using the membrane filtration-method. They are also well suited for the microbiological analysis of samples in general.



Product name	General application	Art. No.	Pack Qty.	€	€
ROTI®Aquatest Plate BEA	Selective medium for isolation and identification of enterococci.	1N13.1	30 unit(s)	102,05	81,55
ROTI®Aquatest Plate Cetr	For isolation of <i>Pseudomonas aeruginosa</i> .	9646.1	30 unit(s)	77,30	61,80
ROTI®Aquatest Plate PCA	For enumeration of the aerobic microbial flora.	9640.1	30 unit(s)	77,30	61,80
ROTI®Aquatest Plate R2A	For enumeration of heterotrophic bacteria.	9644.1	30 unit(s)	77,30	61,80
ROTI®Aquatest Plate Sab4	For cultivation of yeasts and fungi.	9643.1	30 unit(s)	77,30	61,80
ROTI®Aquatest Plate Staph	For isolation of pathogenic staphylococci.	9650.1	30 unit(s)	77,30	61,80
ROTI®Aquatest Plate TSC	Selective medium for isolation and identification of <i>Clostridium perfringens</i> .	1N14.1	30 unit(s)	235,45	188,30
ROTI®Aquatest Plate YE	For enumeration of microorganisms in general, e. g. bacteria, moulds or yeast.	9642.1	30 unit(s)	77,30	61,80

For safety information and additional data, see our current catalogue or at www.carlroth.com



Anaerobic Cultivation **-20%**



Anaerobic Jars

Break-proof and age-resistant container made of stainless, robust stainless steel or transparent polycarbonate for monitoring colony growth without opening the container. Lid in UV-stable black plastic or transparent polycarbonate (PC).

Technical specifications:

Art. No.	2386.1	2356.1	2387.1	2364.1	2388.1	2389.1
Material	Container: Stainless steel Lid: Plastic			Container: Stainless steel Lid: PC	Container: PC Lid: PC	Container: PCI Lid: Plastic
Type	small	standard	large	eco	crystal	crystal eco
Vol.	2 l	3 l	6 l	3 l		
Ø internal	120 mm		175 mm	120 mm		
Outer height	243 mm	340 mm	330 mm		344 mm	
Inner height	165 mm	270 mm	260 mm	270 mm		
Material	stainless steel, plastic			stainless steel, PC	PC	PC, plastic
Suitable for	Insert racks 2415.1, 2570.1	Insert racks 2415.1, 2390.1, 2570.1	Insert racks 2415.1, 2390.1, 2417.1, 2535.1, 2568.1, 2570.1	Insert racks 2415.1, 2390.1, 2570.1		

Product name	Type	Suitable for	Art. No.	Pack Qty.	€	€
Anaerobic Jars with angle valves and pressure gauge	standard	Insert racks 2415.1, 2390.1, 2570.1	2356.1	1 unit(s)	405,90	324,20
	small	Insert racks 2415.1, 2570.1	2386.1	1 unit(s)	387,00	309,60
	large	Insert racks 2415.1, 2390.1, 2417.1, 2535.1, 2568.1, 2570.1	2387.1	1 unit(s)	620,90	496,20
	crystal	Insert racks 2415.1, 2390.1, 2570.1	2388.1	1 unit(s)	554,70	443,75
Anaerobic Jars without manometer	eco	Insert racks 2415.1, 2390.1, 2570.1	2364.1	1 unit(s)	344,00	275,20
	crystal eco		2389.1	1 unit(s)	394,55	315,60

Insert racks for anaerobic jars

Suitable autoclavable stainless steel insert racks for schuett biotec anaerobic vessels. For easy and safe handling of Petri dishes, microtiter plates or test tubes during anaerobic incubation.



Technical specifications:

Art. No.	2417.1	2535.1	2568.1	2415.1	2390.1	2570.1
Type	150	3x60	micro	small	standard	test tube
Suitable for	15 Petri dishes Ø150 mm	45 Petri dishes Ø60 mm	Microtiter plates	10 Petri dishes Ø60–100 mm	15 Petri dishes Ø60–100 mm	9 test tubes up to Ø18 mm

Product name	Art. No.	Pack Qty.	€	€
Anaerobe insert racks for microtiter plates	2568.1	1 unit(s)	119,15	95,25
Anaerobe insert racks for Petri dishes	2390.1	1 unit(s)	76,90	61,45
	2415.1	1 unit(s)	79,70	58,90
	2417.1	1 unit(s)	96,45	77,10
Anaerobe insert racks for test tubes	2535.1	1 unit(s)	127,50	101,95
	2570.1	1 unit(s)	125,70	100,50

Descaling and fixing media

-20%

Product name	Purity	General application	Art. No.	Pack Qty.	€	€
Decalcifier soft	<i>ready-to-use, for histology</i>	Decalcifier solution on base of EDTA. Used for gentle decalcification of bones and other calcified tissues. The solution is also suitable for immunological applications.	6484.1	500 ml	33,25	26,55
			6484.2	1 l	50,45	40,30
			6484.3	2.5 l	83,75	66,95
			6484.4	5 l	149,45	119,50
Formaldehyde solution	≥37 %, for synthesis	Fixative	7398.1	1 l	18,85	15,05
			7398.4	2.5 l	29,60	23,65
			7398.5	5 l	44,65	35,65
			7398.2	10 l	70,85	56,65
			7398.3	30 l	145,15	116,10
	≥35 %, DAB, for histology	Fixative	4980.1	1 l	21,00	16,75
			4980.5	2.5 l	31,75	25,35
			4980.2	5 l	49,35	39,45
			4980.4	10 l	79,05	63,20
			4980.3	30 l	153,20	122,55
Paraformaldehyde, granulated	extra pure, granulated	Fixative	0335.1	250 g	18,85	15,05
			0335.2	500 g	25,30	20,20
			0335.3	1 kg	37,55	29,95
			0335.5	2.5 kg	76,25	60,95
			0335.4	5 kg	141,40	113,05
ROTI®Histofix	4 % formaldehyde, ready-to-use, phosphate buffered, pH 7	Fixative for histology and immunocytochemistry, stabilised with methanol.	P087.4	500 ml	12,40	9,85
			P087.6	1 l	16,70	13,30
			P087.5	2.5 l	22,50	17,95
			P087.3	5 l	36,45	29,10
			P087.1	10 l	66,55	53,20
			P087.2	30 l	170,95	136,70
	4,5 % formaldehyde, ready-to-use, phosphate buffered, pH 7	Fixative for histology and immunocytochemistry, stabilised with methanol.	2213.4	500 ml	12,40	9,85
			2213.6	1 l	16,70	13,30
			2213.5	2.5 l	24,65	19,65
			2213.3	5 l	37,55	29,95
			2213.1	10 l	66,55	53,20
			2213.2	30 l	166,65	133,30

Not medical devices / Not IVD products. For safety information and additional data, see our current catalogue or at www.carlroth.com

Our product recommendation for easy and safe handling of formaldehyde

ROTI®Histofix, prefilled containers

-25%

ready-to-use

Fixative for histology, prefilled in screw cap containers. Stabilised with methanol.

Neutral buffered formaldehyde solution (pH 7), prefilled in screw cap containers, packaged in a cardboard shipping box. The containers are labelled, specimen data can be added.

4 % formaldehyde corresponds to approx. 10 % formalin.

- Specimen can be added directly
- Sample is securely packaged and ready for shipment within a short time
- Reduced health risk for user because no diluting and decanting of concentrated formaldehyde solution is necessary
- Time saving, containers are ready-to-use

Note: 4 % formaldehyde corresponds to approx. 10 % formalin

Storage temperature: +15 to +25 °C

Danger H302-H317-H341-H350

Stabilised with methanol., **Do not store under 15 °C!**

Stabilised with methanol.

Do not store under 15 °C!

Not a medical device / Not an IVD product



4 % formaldehyde, ready-to-use, phosphate buffered, pH 7

Art. No.	Packaging	Pack Qty.	Pack.	€	€
3105.2	54 x 50 ml	54 unit(s)	cardboard	77,90	57,90
3105.1	100 x 10 ml	100 unit(s)	cardboard	117,20	87,85

4,5 % formaldehyde, ready-to-use, phosphate buffered, pH 7

Art. No.	Packaging	Pack Qty.	Pack.	€	€
8244.3	32 x 100 ml	32 unit(s)	cardboard	75,15	56,30
8244.2	54 x 50 ml	54 unit(s)	cardboard	85,90	64,35
8244.1	100 x 10 ml	100 unit(s)	cardboard	112,90	84,65



Histological Staining **-20%**

Colouring kits **ready-to-use**

... for blood smears

Panoptical fast staining kit

for microscopy

Staining kit for fast oversight staining of blood smears and other cytological preparations (modified method acc. to Pappenheim), incl. instructions for use.

Danger H225-H301+H311+H331-H370-EUH208

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
6487.1	3 x 250 ml	1 kit	plastic	102,05	81,55
6487.2	3 x 500 ml	1 kit	plastic	188,15	150,50



... for tissue sections and cytological preparations

H&E fast staining kit

for microscopy

Staining kit for fast oversight staining of tissue sections. Hematoxylin-eosin staining, incl. instructions for use.

Danger
H225-H301+H311+H331-H317-H318-H370-H373

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
9194.1	2 x 250 ml	1 kit	plastic	70,85	56,65
9194.2	2 x 500 ml	1 kit	plastic	109,10	82,45

PAP fast staining kit

for microscopy

Staining kit for fast staining of cytological specimens (fast staining acc. to Papanicolaou), incl. instructions for use.

Danger
H225-H302+H312+H332-H318-H370-H373-EUH208

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
9195.1	2 x 250 ml	1 kit	plastic	79,05	63,20
9195.2	2 x 500 ml	1 kit	plastic	120,95	96,75

Elastica van Gieson staining kit

for microscopy

Staining kit for visualising connective tissue with elastic fibres, incl. instructions for use.

Danger
H225-H290-H302+H312+H332-H317-H318-H336-H370

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
8275.1	4 x 500 ml	1 kit	glass	209,65	167,70

Masson-Goldner's trichrome staining kit

for microscopy

Staining kit for visualising connective tissue (Masson-Goldner trichrome staining), incl. instructions for use.

Danger
H225-H290-H315-H318-H336

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
3459.1	5 x 500 ml	1 kit	glass	231,15	184,90

Coloring solutions

Product name	Purity	General application	Art. No.	Pack Qty.	€	€
Eosin Y solution	0,5 %, in water, for microscopy	For visualising cell structures during standard staining methods (H&E staining).	X883.1	500 ml	28,95	23,10
			X883.2	1 l	44,65	35,65
Giemsa stock solution	for microscopy	For differential staining of blood and bone marrow smears.	T862.1	500 ml	39,25	31,35
			T862.2	1 l	57,95	46,30
Hematoxylin solution acc. to Harris	for microscopy	For visualising nuclei, Papanicolaou solution 1a	X903.1	500 ml	56,90	45,45
			X903.2	1 l	80,55	64,35
LOEFFLER's methylene blue solution	for microscopy and cell counting	For visualising nuclei.	AE64.1	500 ml	36,45	29,10
			AE64.2	1 l	51,50	41,15
May-Gruenwald's solution	for microscopy	For differential staining of blood smears and cytological specimens.	T863.1	500 ml	34,30	27,40
			T863.2	1 l	44,65	35,65
Nuclear fast red aluminium sulphate solution	0,1 %, for microscopy	For visualising nuclei e.g. during Elastica Staining.	N069.1	500 ml	64,00	51,15
			N069.2	1 l	105,25	84,15
Resorcinol-Fuchsin-solution acc. to Weigert	for microscopy	For visualising elastic fibres.	X877.1	500 ml	62,25	49,75
			X877.2	1 l	107,00	85,55
Wright's eosin methylene blue solution	for microscopy	For differential staining of blood and bone marrow smears.	CN05.1	500 ml	39,70	31,70
			CN05.2	1 l	54,30	43,40

For safety information and additional data, see our current catalogue or at www.carlroth.com



Embedding Media **-20%**

... hydrophilic

- No dehydration with solvents
- Also for sensitive preparations
- Fatty cell components are preserved



ROTI®Seal for microscopy

Aqueous cover slip sealant.

- Non-hazardous ingredients
- Solvent-free
- Solidification by light

Art. No.	Pack Qty.	Pack.	€	€
6473.1	20 ml	glass	18,85	15,05

Kaiser's glycerol gelatine phenol-free for microscopy

Aqueous mounting medium

- Non-hazardous ingredients
- Neutral pH (6–7)
- Convenient also for sensitive stainings

Art. No.	Pack Qty.	Pack.	€	€
6474.1	50 ml	glass	24,20	19,35

Mowiol® 4-88 granulated

Aqueous mounting medium in histology.

For durable preparations.

Art. No.	Pack Qty.	Pack.	€	€
0713.1	50 g	plastic	15,60	12,45
0713.2	100 g	plastic	29,15	18,45

ROTI®Mount Aqua **-25%**

ready-to-use, for microscopy

Aqueous mounting medium

Refractive index (20 °C)..... 1.3750-1.3950

Art. No.	Pack Qty.	Pack.	€	€
2848.1	15 ml	dropp. bottle	27,45	20,50
2848.2	50 ml	glass	53,25	39,85

ROTI®Mount FluorCare

ready-to-use, for fluorescence microscopy

Aqueous mounting medium with antifading effect for fluorescent dyes.

Filled in dropper bottles.

Store protected from light.

Storage temperature: +4 °C

Art. No.	Pack Qty.	Pack.	€	€
HP19.1	15 ml	dropp. bottle	73,00	58,35

... hydrophobic

- Only for dehydrated preparations
- Compatible with xylene and xylene substitutes
- For the preparation of permanent preparations

ROTI®Mount

ready-to-use, for histology

Synthetic mounting medium. Compatible with ROTICLEAR® (Art. No. A538) and n-Butyl acetate (Art. No. P036).

- Free from xylene and toluene
- Quick drying
- Results in permanent specimens with neutral pH
- Protects against bleaching
- Not suitable for aqueous samples!

Danger

H225-H304-H372-H411-EUH066

Refractive index (20 °C)..... 1.43-1.46

Art. No.	Pack Qty.	Pack.	€	€
HP68.1	100 ml	glass	28,95	23,10
HP68.2	500 ml	glass	95,60	76,40

ROTI®Histokitt

ready-to-use, for histology

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

Danger

H225-H315-H336-H361d-H373

Art. No.	Pack Qty.	Pack.	€	€
6638.1	100 ml	glass	17,75	14,15
6638.2	500 ml	glass	47,20	37,70

ROTI®Histokitt II **-25%**

ready-to-use, for histology

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

Warning

H226-H312-H315-H319-H335-H373-EUH208

Art. No.	Pack Qty.	Pack.	€	€
T160.1	100 ml	glass	17,10	12,75
T160.2	500 ml	glass	47,85	35,85

Euparal

ready-to-use, for microscopy

Mounting agent, alternative to Canada balsam

- Embedding already from alcohol 80 %
- 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	66,55	53,20
7356.2	500 g	glass	278,45	222,70

Euparal essence

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	57,55	46,00