



Life Science TOP Offers



e-Flyer



Due to the current market situation with which we are all familiar, characterised by an exceptionally unstable pricing situation, the prices listed in the print medium may increase during the promotional period in individual cases. You can find the relevant applicable prices at www.carlroth.com



TSE-/BSE-free



-25 %

Bovine Serum Albumin (BSA) Fraction V, NZ-Origin

≥98 %, for biochemistry and molecular biology

Wide range of applications, e.g. as protein standard or blocking reagent.

Very suitable for all standard applications where a high quality albumin is to be used that does not meet any special requirements. Suitable for immunoassays, as blocking reagent, for stabilising enzymes and antibodies, for industrial applications on a large scale and much more.

BSA „Fraction V“.

Recommended if BSA with origin Australia or New Zealand is required.

Storage temperature: +4 °C

Art. No.	Pack Qty.	Pack.	€	€
8076.1	10 g	plastic	34,95	26,15
8076.2	50 g	plastic	107,00	80,20
8076.4	200 g	plastic	352,10	264,00
8076.3	500 g	plastic	775,65	581,65
8076.5	1 kg	plastic	1.267,45	950,55

Valid from 2 October to 31 December 2023

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.

INT

Albumin / BSA Solutions

-20 %


Albumin solution 20 %

20 % w/v, sterile, for biochemistry and cell biology

Wide range of applications, e.g. as protein standard or blocking reagent.

Art. No.	Pack Qty.	Pack.	€	€
9400.1	20 ml	plastic	49,35	39,45
9400.2	100 ml	plastic	107,40	85,85
9400.3	500 ml	plastic	428,95	343,10

Albumin solution 30 %

30 % w/v, sterile, for biochemistry and cell biology

Wide range of applications, e.g. as protein standard or blocking reagent.

Art. No.	Pack Qty.	Pack.	€	€
9401.1	20 ml	plastic	50,45	40,30
9401.2	100 ml	plastic	129,55	98,75
9401.3	500 ml	plastic	482,70	386,10

 Storage temperature: -20 °C
 Transport temperature: cooled

ready-to-use

For Albumin purification an extensive heat-shock/diafiltration method is used.

- You can find our complete BSA range at www.carlroth.com

Albumin solution 30 %, with azide

30 % w/v, sterile, with azide, for biochemistry

Suitable as blocking or stabilising reagent in all general assays.

Art. No.	Pack Qty.	Pack.	€	€
9414.1	100 ml	plastic	213,95	171,10
9414.2	500 ml	plastic	697,70	558,10

Protein Quantification

-20 %

Ready-made solutions for photometric detection and quantitation of soluble proteins. Reproducible, fast and low-priced. For application in cuvettes or microtiter plates (automatable).

ROTI®Quant – Standard assay acc. to Bradford, reliable and very easy to apply

ROTI®Nanoquant – Highly sensitive Bradford assay, for particularly low protein amounts

ROTI®Quant universal – PCA assay with high tolerance against detergents etc.


Product name	Detection	Linear measuring range	Photometric measurement	Packaging	Art. No.	Pack Qty.	€	€
ROTI®Nanoquant	Bradford	0,2 to 25 µg protein	590 nm and 450 nm	200 assays (cuvettes)	K880.2	50 ml	19,25	15,35
				800 assays (cuvettes)	K880.3	200 ml	57,95	46,30
				2000 assays (cuvettes)	K880.1	500 ml	115,60	92,45
ROTI®Quant -30 %	Bradford	2 to 100 µg protein	595 nm	200 assays (cuvettes)	K015.2	50 ml	18,85	13,15
				800 assays (cuvettes)	K015.3	200 ml	60,75	42,50
				2000 assays (cuvettes)	K015.1	500 ml	120,95	84,65
ROTI®Quant universal	Biuret reaction/PCA (equals BCA)	0,5 to 200 µg protein	492 nm or 503 nm	500 assays (cuvettes)	0120.1	1 kit	235,45	188,30
				200 assays (cuvettes)	0120.2	1 kit	115,60	92,45

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



Cell Isolation **-20%**

ROTI®Sep 1077 human **S** ready-to-use

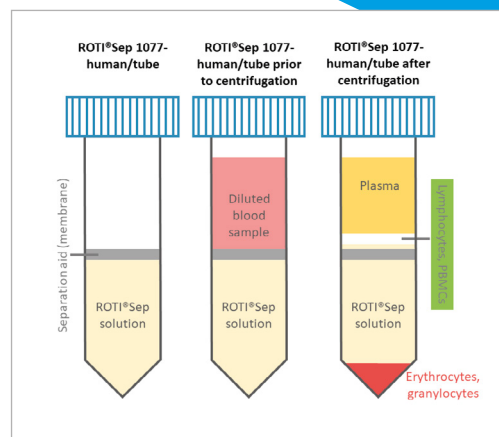
CELLPURE® sterile, ready-to-use, for density gradient centrifugation

Lymphocyte separation medium, Polysucrose solution

Ready-to-use and sterile separation medium based on polysucrose 400, for efficient isolation of lymphocytes from human blood by density gradient centrifugation.

Best alternative to Ficoll®.

- Optimised for isolation of lymphocytes from non-coagulated human whole blood
- Produces distinct, compact layers
- Results in high recovery rates of viable cells
- Maintains the representative ratio of B- to T lymphocytes
- May be directly applied to all protocols using Ficoll®



ROTI®Sep 1077 human

Polysucrose based medium for separation of lymphocytes/PBMC from human whole blood. Density: 1,077 g/ml

Storage temperature: +4 °C

Danger H317-H334

Not a medical device / Not an IVD product



Art. No.	Pack Qty.	Pack.	€	€
0642.1	100 ml	plastic	61,85	49,45
0642.2	500 ml	plastic	220,40	176,30

ROTI®Sep 1077 human/tube

Polysucrose based medium for separation of lymphocytes/PBMC from human whole blood. Density: 1,077 g/ml

Prefilled in 50 ml centrifugation tubes, 15 ml each.

Storage temperature: +4 °C

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
0634.1	25 x 50 ml	25 unit(s)	cardboard	789,70	626,90

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	274,15	219,30

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	79,45	63,50
			CP11.2	20 ml	109,55	87,60
			CP11.3	100 ml	439,70	351,70
	50 mg/ml, BioScience Grade, sterile, ready-to-use		2039.1	10 ml	78,40	62,65
			2039.2	20 ml	107,40	85,85
			2039.3	100 ml	435,40	348,30
Gentamycin sulphate solution	50 mg/ml, sterile	≤10 E.U./ml	HN09.1	20 ml	118,15	94,45
			HN09.2	100 ml	375,20	300,10
	50 mg/ml, BioScience Grade, sterile, ready-to-use		2475.1	20 ml	117,10	93,60
			2475.2	100 ml	370,90	296,70
Hygromycin B solution	50 mg/ml, sterile	<10 E.U./ml	CP12.1	10 ml	131,70	105,35
			CP12.2	20 ml	231,15	184,90
	50 mg/ml in PBS, BioScience Grade, sterile, ready-to-use		1287.1	10 ml	126,35	101,05
			1287.2	20 ml	209,65	167,70

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

Microbiological ready-to-use Media

CompactDry™ Ready-made plates **-25 %**

Anhydrous nutrient plates for simple microbiological analysis of solutions and dry matter.

- Simple and safe to use
- Safely non-slip stackable
- Easy interpretation due to chromogenic additives and 1 x 1 cm grid
- Storage and transport at room temperature
- With detailed instruction-for-use
- Suitable for the control of foods and feeds, cosmetics and pharmaceutical samples, for hygiene monitoring and contamination control, for schooling and student's courses



Product name	General application	Art. No.	Pack Qty.	€	€
CompactDry™ CF	Ready-made plates with anhydrous chromogenic nutrient medium for detection of coliforms.	4827.1	40 unit(s)	98,80	74,05
		4827.2	240 unit(s)	514,95	386,15
CompactDry™ EC	Ready-made plates with anhydrous chromogenic nutrient medium for detection of coliforms in general, particularly <i>E. coli</i> .	4826.1	40 unit(s)	98,80	74,05
		4826.2	240 unit(s)	514,95	386,15
CompactDry™ ETB	Ready-made plates with anhydrous chromogenic nutrient medium for detection of enterobacteriaceae.	4828.1	40 unit(s)	104,20	78,10
		4828.2	240 unit(s)	557,95	418,40
CompactDry™ PA	Ready-to-use plates with dried chromogenic culture medium for the detection of <i>Pseudomonas aeruginosa</i> .	1L17.1	40 unit(s)	188,15	141,05
		1L17.2	240 unit(s)	955,70	716,75
CompactDry™ SL	Ready-made plates with anhydrous chromogenic nutrient medium for detection of salmonellae.	4817.1	40 unit(s)	129,55	97,10
		4817.2	240 unit(s)	676,20	507,10
CompactDry™ TC	Ready-made plates with anhydrous chromogenic nutrient medium for total germ count.	4816.1	40 unit(s)	95,15	71,30
		4816.2	240 unit(s)	467,65	350,70
CompactDry™ X-BC	Ready-made plates with anhydrous chromogenic nutrient medium for detection of <i>Bacillus cereus</i> .	1070.1	40 unit(s)	134,40	100,75
		1070.2	240 unit(s)	697,70	523,25
CompactDry™ X-SA	Ready-made plates with anhydrous chromogenic nutrient medium for detection of <i>Staphylococcus aureus</i> .	1087.1	40 unit(s)	134,40	100,75
		1087.2	240 unit(s)	697,70	523,25
CompactDry™ YM	Ready-made plates with anhydrous chromogenic nutrient medium for detection of yeasts and moulds.	4818.1	40 unit(s)	102,05	76,45
		4818.2	240 unit(s)	547,20	410,35

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

Ready-to-use liquid nutrient media **-20 %** **NEW** **S** **ready-to-use**

- Ready-to-use, sterile liquid culture media for simple microbiological examinations
- Made from our proven dehydrated nutrient media
- Individually applicable - packed in different package sizes
- With detailed instructions for use



Product name	Purity	General application	Packaging	Art. No.	Pack Qty.	€	€
CASO Broth	Ph. Eur., USP, ISO 10273, for microbiology	For the cultivation of fastidious and undemanding microorganisms.	20 x 9 ml	1L83.1	180 ml	45,05	36,00
			10 x 90 ml	1L83.2	900 ml	72,60	58,05
			10 x 100 ml	1L83.3	1 l	80,10	64,05
Fraser Half Broth	ISO 11290, for microbiology	Enrichment medium for detection and isolation of <i>Listeria</i> in foods and environmental samples.	20 x 9 ml	1L86.1	180 ml	44,65	35,65
			10 x 225 ml	1L86.2	2.25 l	110,20	88,15
Lethen Broth modified	for microbiology	For microbiological analyses of cosmetics, and samples containing disinfectants or preservatives.	20 x 9 ml	1L85.1	180 ml	53,65	42,85
			10 x 90 ml	1L85.2	900 ml	83,75	66,95
MacConkey Broth	Ph. Eur., USP, for microbiology	For detection of coliform bacteria in water, milk and other liquids.	20 x 9 ml	1L87.1	180 ml	47,85	38,25
			10 x 100 ml	1L87.2	1 l	77,95	62,35
Maximum Recovery Solution	ISO 6887, ISO 8199, ISO 22718, for microbiology	For homogenization and dilution of microbiological samples.	20 x 9 ml	1L84.1	180 ml	36,05	28,80
			10 x 90 ml	1L84.2	900 ml	69,80	55,75
Peptone Water, buffered	ISO 6579, ISO 6887, ISO 22964, for microbiology	For homogenising food and preparing samples for microbiological analyses.	20 x 9 ml	1L8H.1	180 ml	42,90	34,25
			10 x 90 ml	1L8H.2	900 ml	66,15	52,85
			10 x 100 ml	1L8H.3	1 l	74,10	59,20
Peptone Water 0.1%, buffered	Ph. Eur., USP, for microbiology	For homogenising food and preparing samples for microbiological analyses.	20 x 9 ml	1L8E.1	180 ml	42,90	34,25
			10 x 90 ml	1L8E.2	900 ml	66,15	52,85
			10 x 100 ml	1L8E.3	1 l	74,10	59,20
Sabouraud 2 % Glucose Broth	Ph. Eur., for microbiology	Selective medium for the taxonomic study of pathogenic fungi.	20 x 9 ml	1L89.1	180 ml	40,75	32,55
			10 x 100 ml	1L89.2	1 l	72,60	58,05
Thioglycolate Broth	Ph. Eur., USP, ISO 7937, for microbiology	For the detection of microorganisms in sterility tests.	20 x 9 ml	1L8C.1	180 ml	81,60	65,25
			10 x 100 ml	1L8C.2	1 l	96,65	77,25

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



Microbiological Nutrient Media

-20%

Fraser Half Broth (Base)

ISO 11133, ISO 11290-1, for microbiology

Enrichment medium for detection and isolation of *Listeria* in foods and environmental samples.

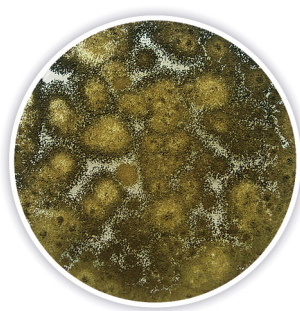
Fraser Broth including esculin. With reduced amounts of acriflavine and nalidixic acid.

Application: Use 57.3 g for 1 l broth. A slight precipitate may appear after autoclaving. Prior to use add sterile filtered iron(III) ammonium citrate solution ad 0.5 g/l broth (Art. No. 3130.1).

Storage temperature: +15 to +25 °C

Transport temperature: ambient temp.

Art. No.	Pack Qty.	Pack.	€	€
HP18.1	500 g	plastic	127,95	102,30
HP18.2	1 kg	plastic	228,45	182,75
HP18.3	2.5 kg	plastic	542,90	434,30



Product name	General application	Pack.	Art. No.	Pack Qty.	€	€
Brain-Heart-Infusion Broth	For cultivation of fastidious microorganisms.	plastic	X916.1	500 g	117,75	94,15
			X916.2	1 kg	201,60	161,25
CASO Agar	For isolation and cultivation of non-fastidious organisms.	plastic	X937.1	500 g	107,00	85,55
			X937.2	1 kg	188,15	150,50
			X937.3	2.5 kg	413,90	331,10
			X937.7	5 kg	779,40	623,50
CASO Broth	For cultivation of fastidious and non-fastidious microorganisms.	plastic	X938.1	500 g	90,85	72,65
			X938.2	1 kg	149,45	119,50
			X938.3	2.5 kg	317,15	253,70
			X938.7	5 kg	600,95	480,70
MRS Broth	For cultivation of lactobacilli. According to deMan, Rogosa and Sharpe.	plastic	X925.1	500 g	98,40	78,65
			X925.2	1 kg	165,05	132,00
			X925.3	2.5 kg	353,70	282,90
Nutrient Agar (DEV)	For biochemical analysis of <i>E.coli</i> and Coliforms in water samples and other sample material.	plastic	CL02.1	500 g	134,40	107,50
			CL02.2	1 kg	241,90	193,50
			CL02.7	5 kg	1.050,90	847,10
Peptone Water, buffered	Diluent for homogenisation of food samples and for sample preparation for microbiological analysis.	plastic	X917.1	500 g	75,15	60,05
			X917.2	1 kg	134,40	107,50
			X917.3	2.5 kg	278,45	222,70
Plate Count Agar	For enumeration of the aerobic microbial flora in milk, foods and other material.	plastic	X930.1	500 g	112,95	89,85
			X930.2	1 kg	206,95	165,55
			X930.3	2.5 kg	424,65	339,70
Potato Extract Glucose Agar	For cultivation and identification of yeasts and moulds.	plastic	X931.1	500 g	127,95	102,30
			X931.2	1 kg	227,40	181,85
			X931.3	2.5 kg	507,95	406,35
Violet Red Bile Agar with Glucose	For cultivation and enumeration of enterobacteria in water, foods and other materials.	plastic	X939.1	500 g	100,55	80,40
			X939.2	1 kg	180,10	144,05
			X939.3	2.5 kg	375,20	300,10

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

Reagents for the Isolation of Nucleic Acids

-20%**ROTI®Phenol** ready-to-use**ROTI®Phenol solutions for DNA and RNA extraction**

- Reduce exposure to toxic chemicals
- Prepared from phenol of highest purity
- Packed under argon for maximum stability
- Successfully tried and tested in many research laboratories



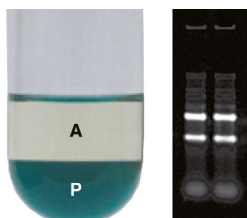
Product name	General application	Area of use	Pack.	Art. No.	Pack Qty.	€	€
ROTI®C/I	Chloroform/Isoamyl alcohol at a ratio of 24:1.	for the extraction of nucleic acids	glass	X984.3	100 ml	13,45	10,75
				X984.1	250 ml	21,00	16,75
				X984.2	500 ml	32,00	26,20
ROTI®Phenol -30%	Redistilled, in TE buffer equilibrated phenol, pH 7,5-8,0.	for the extraction of nucleic acids	glass	0038.1	100 ml	32,15	22,45
				0038.2	250 ml	64,40	45,00
				0038.3	500 ml	99,90	69,85
				0038.4	1 l	177,40	124,15
ROTI®Aqua-Phenol	Redistilled, in water saturated phenol, pH 4,5-5.	for RNA extraction	glass	A980.2	100 ml	26,80	21,35
				A980.1	250 ml	52,15	41,70
				A980.3	500 ml	81,60	65,25
ROTI®Phenol/Chloroform/Isoamyl alcohol	Redistilled, in TE-buffer equilibrated phenol, chloroform and isoamyl alcohol at a ratio of 25:24:1, pH 7,5-8,0.	for the extraction of nucleic acids	glass	A156.3	100 ml	46,15	36,85
				A156.1	250 ml	91,95	73,50
				A156.2	500 ml	155,90	124,70
ROTI®Aqua-P/C/I	Redistilled, in water saturated phenol, chloroform and isoamyl alcohol at a ratio of 25:24:1, pH 4,5-5.	for RNA extraction	glass	X985.3	100 ml	35,40	28,25
				X985.1	250 ml	62,90	50,30
				X985.2	500 ml	96,25	76,95

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

ROTI®ZOL RNA ready-to-use RNase-free**ready-to-use, for molecular biology**

Ready-made solution with green dye for isolation of total RNA

- Easy and very rapid two-step RNA isolation
- High recovery rates of intact, very pure total RNA
- Applicable on a broad range of tissues and on cell types
- The purified RNA is ready for use in standard downstream applications such as RT-PCR



Typical RNA yield from 5×10^6 cells: 30–35 µg
Typical purity of RNA prepared from 5×10^6 cells: 2,08 (A_{260}/A_{280})

1 ml ROTI®ZOL RNA is used for RNA isolation from 100 mg tissue or 10^7 cells, respectively.

Storage temperature: +4 °C

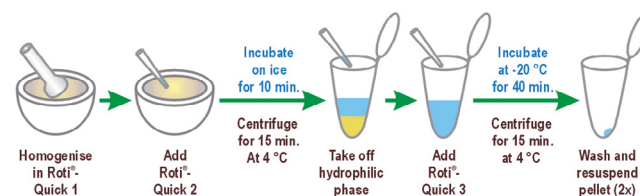
Danger H290-H302+H312+H332-H314-H341-H373-411-EUH032 EUH208

Art. No.	Pack Qty.	Pack.	€	€
9319.1	100 ml	plastic	278,45	222,70
9319.2	200 ml	plastic	499,90	399,90

ROTI®Quick kit ready-to-use**ready-to-use, for molecular biology**

Kit for RNA-isolation from cells and tissues.

- Easy, most versatile application
- High recovery rate of intact, very pure total RNA
- Column-free two-step isolation
- Applicable on nearly any tissue type



Preparation as given in the instruction-for-use is optimised for RNA isolation from approx. 0,2 g of tissue or cell material. The amount of material isolated per batch may easily be up- or downscaled to larger or smaller amounts of tissue.

The isolated total RNA is highly pure and may be used directly for all common down-stream applications, such as RT-PCR, Northern blotting and reverse transcription. Detailed instructions-for-use are enclosed with each kit.

The Rot®-Quick Kit is sufficient for 20 isolations from 0,2 g tissue each.

Storage temperature: +4 °C

Danger H225-H301+H311+H331-H314-H336-H341-H351-H361d-H372-H411-EUH032 EUH208

Art. No.	Packaging	Pack Qty.	Pack.	€	€
A979.1	for approx. 20 preparations	1 kit	cardboard	111,30	89,00



Reagents for PCR **-20%**

ROTI®Pol DNA Polymerases **ready-to-use**

For PCR.

Recombinant, heat stable DNA polymerases from the thermophilic bacteria *Thermus aquaticus*.



Product name	Purity	Application	Amplicon ends	Art. No.	Pack Qty.	€	€
ROTI®Pol TaqS -25%	5 U/μl	Standard PCR	3'dA	9223.1	100 μl	75,15	56,30
				9223.2	500 μl	364,45	273,30
ROTI®Pol TaqS Mix (2x)	2x conc., ready-to-use	Standard PCR	3'dA	9239.1	2 ml	54,30	43,40
				9239.2	10 ml	217,70	174,15
ROTI®Pol TaqS Red-Mix (2x)	2x conc., ready-to-use	Standard PCR with subsequent gel loading	3'dA	9241.1	2 ml	59,70	47,70
				9241.2	10 ml	235,45	188,30
ROTI®Pol Hot-TaqS Red-Mix (2x)	2x conc., ready-to-use	Particularly sequence specific standard PCR with subsequent gel loading	3'dA	9256.1	2 ml	86,55	69,20
				9256.2	10 ml	396,70	317,30
ROTI®Pol TaqHY	5 U/μl	Fast PCR protocols and/or high yield, GC rich template DNA	3'dA	9345.1	100 μl	86,55	69,20
				9345.2	500 μl	396,70	317,30
ROTI®Pol Hot-TaqHY	5 U/μl	Particularly sequence specific, fast PCR protocols and/or high yield, GC rich template DNA	3'dA	9346.1	40 μl	86,55	69,20
				9346.2	200 μl	396,70	317,30

For safety information and additional data, see our current catalogue or at www.carlroth.com
Store at -20 °C • Transport temp.: cooled

Nucleotides by ROTH **ready-to-use**

Ultra pure · Stable · Tested



Product name	Purity	Packaging	Art. No.	Pack Qty.	€	€
dNTP-Set 1	≥99 % dATP, dTTP, dGTP, dCTP, 100 mM per dNTP	4 x 25 μmol (250 μl), 100 mM	K039.1	1 set	127,95	102,30
		5 x 4 x 25 μmol (250 μl), 100 mM	K039.2	1 set	521,40	417,10
ROTI®Mix PCR 3	10 mM (/dNTP), 40 mM (total), dATP, dTTP, dGTP, dCTP, ready-to-use	1 x 0.2 ml	L785.1	0.2 ml	30,00	23,95
		5 x 0.2 ml	L785.2	1 ml	119,90	95,85
		5 x 1 ml	L785.3	5 ml	489,15	391,30
ROTI®Mix PCR 3 (pH 7)	10 mM (/dNTP), 40 mM (total), dATP, dTTP, dGTP, dCTP, ready-to-use	1 x 0.2 ml	0179.1	0.2 ml	30,00	23,95
		5 x 0.2 ml	0179.2	1 ml	119,90	95,85

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

ready-to-use

DNA-free

DNase-free

RNase-free

Magnesium chloride solution **Protease-free**

25 mM, for PCR, for molecular biology

For optimisation of PCR reaction conditions.

Storage temperature: +4 °C

Transport temperature: ambient temp.

Art. No.	Packaging	Pack Qty.	Pack.	€	€
1HY7.1	2 x 0,5 ml in tubes	1 ml	plastic	12,80	10,20
1HY7.2	5 x 0,5 ml in tubes	2.5 ml	plastic	29,15	18,45

S

ready-to-use

DNA-free

DNase-free

RNase-free

PCR water **Protease-free**

Ultrapure water (Type I), sterile, nuclease-free, free of DNA and RNA

Ultrapure water, free of nucleases, DNA and RNA for use in sensitive molecular biological applications.

Each batch is tested by PCR to exclude contamination by DNA and nucleases.

Art. No.	Packaging	Pack Qty.	Pack.	€	€
1HPE.1	10 x 1,5 ml in tubes	15 ml	plastic	93,45	74,70
1HPE.2	20 x 1,5 ml in tubes	30 ml	plastic	180,10	144,05
1HPE.4	1 x 60 ml	60 ml	plastic	206,95	165,55
1HPE.3	50 x 1,5 ml in tubes	75 ml	plastic	418,20	334,50
1HPE.5	1 x 125 ml	125 ml	plastic	396,70	317,30

Electrophoresis · PAGE **-20 %**

ROTIPHORESE® gel solutions

Our ready-to-use acrylamide solutions –
New: also available in practical plastic bottles



Product name	Purity	General application	Pack.	Art. No.	Pack Qty.	€	€
ROTIPHORESE®Gel 30 (37.5:1)	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	31,75	23,75
			plastic	3029.5	250 ml	33,90	25,35
			glass	3029.2	500 ml	47,85	35,85
			plastic	3029.4	500 ml	52,10	39,00
			glass	3029.1	1 l	82,25	61,65
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	41,85	33,40
			plastic	A515.4	250 ml	45,10	36,05
			plastic	A515.3	500 ml	67,20	53,75
			glass	A515.1	1 l	101,60	81,25
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	39,70	31,70
			plastic	3030.4	250 ml	42,50	33,95
			plastic	3030.3	500 ml	63,20	50,50
			glass	3030.1	1 l	96,25	76,95

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

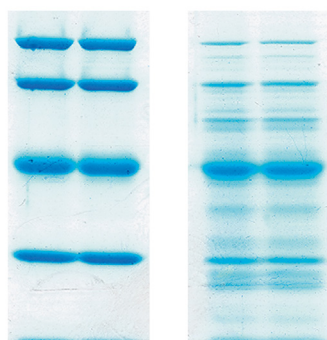
ROTIPHORESE® Running Buffers



Product name	Purity	General application	Pack.	Art. No.	Pack Qty.	€	€
ROTIPHORESE®10x SDS-PAGE	10x conc.	SDS-PAGE running buffer in electrophoresis.	glass	3060.1	1 l	46,80	37,40
			plastic	3060.3	2.5 l	85,50	68,35
			plastic	3060.2	5 l	123,10	98,45
ROTIPHORESE®10x TBE Buffer	10x conc.	TBE-buffer for preparing sequencing gels and as running buffer in electrophoresis.	glass	3061.1	1 l	34,95	27,95
			plastic	3061.3	2.5 l	74,10	59,20
			plastic	3061.2	5 l	116,10	92,85
ROTIPHORESE®5x TBE Buffer	5x conc.	TBE-buffer for preparing sequencing gels and as running buffer in electrophoresis.	glass	1L9K.1	1 l	29,60	23,65

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

ROTIPHORESE® Loading dyes



ROTI®Load

Standard buffer

Product name	Purity	General application	Pack.	Art. No.	Pack Qty.	€	€
ROTI®Load 1	4x conc., reducing	Protein gel loading buffer, modified formulation acc. to Laemmli.	glass	K929.1	10 ml	22,05	17,60
				K929.2	40 ml	65,50	52,35
				K929.3	100 ml	149,45	119,50
ROTI®Load 2	4x conc., unreducing	Protein gel loading buffer, modified formulation acc. to Laemmli. For protein complexes, secondary structures, and for native gels.	glass	K930.1	10 ml	19,25	15,35
ROTI®Load 3 (LDS)	4x conc., unreducing	Protein gel loading buffer for ready-made gels and cooled gels.	glass	3359.1	10 ml	25,30	20,20

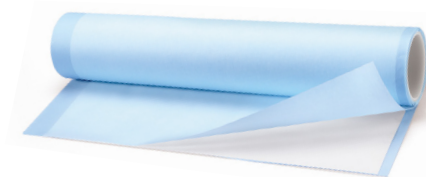
For safety information and additional data, see our current catalogue or at www.carlroth.com



Blotting, Blocking & Stripping

Blotting Membranes

-20 %



Our membranes in roll format for blotting proteins or nucleic acids

Material	Product name	Dimensions	Pore size	Art. No.	Pack Qty.	€	€
nitrocellulose	ROTI [®] NC 0.2	300 x 30 cm	0.2 µm	1YXN.1	1 roll(s)	387,00	309,60
	ROTI [®] NC 0.45	300 x 30 cm	0.45 µm	200K.1	1 roll(s)	387,00	309,60
	Amersham Protran [®] 0.45	400 x 30 cm	0.45 µm	4675.1	1 roll(s)	488,05	390,40
nylon	ROTI [®] Nylon 0.2	300 x 30 cm	0.2 µm	AE50.1	1 roll(s)	431,10	320,80
	ROTI [®] Nylon plus	300 x 30 cm	0.45 µm	K058.1	1 roll(s)	364,45	271,20
polyvinylidene fluoride	ROTI [®] PVDF 0.2	300 x 30 cm	0.2 µm	1YYC.1	1 roll(s)	451,50	361,20
	ROTI [®] PVDF	300 x 30 cm	0.45 µm	200T.1	1 roll(s)	483,75	387,00
	ROTI [®] Fluoro PVDF	330 x 26 cm	0.2 µm	2803.1	1 roll(s)	381,65	284,00
	MILLIPORE Immobilon [®] -P	375 x 28 cm	0.45 µm	T831.1	1 roll(s)	536,45	429,10

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

Western Incubation Trays

-20 %

reusable



Western incubation trays have been specially developed for staining Western-blot. Four different sizes for perfect fit to your respective blot membrane. Stable and frequently reusable.

- Easily stackable
- Tight fitting lids
- In typical Western blot sizes
- Compatible with all common detection methods

Type	Suitable for	L x W (mm)	Material	Max. temperature (°C)	Art. No.	Pack Qty.	€	€
MINI	Incubation volume 5-10 ml	91 x 66	PS	80	8862.1	10 unit(s)	250,50	200,35
MIDI	Incubation volume 10-20 ml	117 x 89	PS	80	8870.1	10 unit(s)	280,60	224,45
MIDI-XL	Incubation volume 20-30 ml	120 x 120	PMMA	60	8874.1	1 unit(s)	237,60	190,05
MAXI	Incubation volume 30-60 ml	200 x 165	PMMA	60	8876.1	1 unit(s)	302,10	241,65

-25 %

ready-to-use

ROTI[®]Block

10x conc., ready-to-use

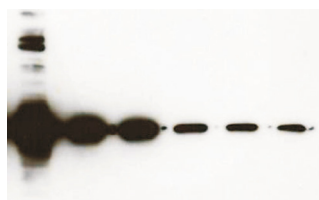
Protein free blocking solution

ROTI[®]Block is a protein-free blocking solution that can be used diluted as a base solution for all steps of Western detections and ELISAs. ROTI[®]Block replaces PBS/TBS buffers and other buffer systems including the blocking reagents used.

If required, ROTI[®]Block can be enriched with further blocking reagents, detergents etc. to further optimise the detection system.

Contains Tween[®] 20

Art. No.	Pack Qty.	Pack.	€	€
A151.1	250 ml	glass	62,90	47,10
A151.4	500 ml	glass	106,45	79,80
A151.2	1 l	glass	190,85	143,05
A151.3	2.5 l	glass	353,70	265,25



-20 %

ready-to-use

ROTI[®]Free Stripping Buffer 2.2 plus

ready-to-use

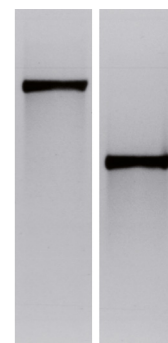
Premixed buffer for efficient stripping of Western-Blot membranes after Chemoluminescence detection, even with hard-to-remove antibodies.

- Very effective
- Gentle
- Odour-free
- Simple application
- Also suitable for high-affinity antibodies

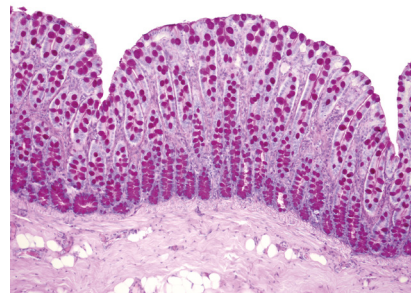
Warning H290

Remark: Contains SDS. Can be redissolved by heating (max. 45 °C).

Art. No.	Pack Qty.	Pack.	€	€
3337.1	250 ml	glass	60,75	48,55
3337.2	1 l	glass	149,45	119,50



Histology



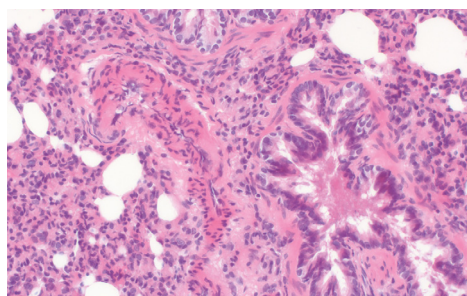
Dye Solutions & Kits

-20%

Product name	Purity	General application	Art. No.	Pack Qty.	€	€
Alcian blue 1 % in acetic acid 3 %	1 %, for microscopy	For selective staining of acidic mucins.	1431.1	500 ml	209,65	167,70
			1431.2	1 l	321,45	257,10
Eosin Y solution	0,5 %, in water, for microscopy	For visualising cell structures during standard staining methods (H&E staining).	X883.1	500 ml	27,85	22,25
			X883.2	1 l	42,50	33,95
Giemsa stock solution	for microscopy	For differential staining of blood and bone marrow smears.	T862.1	500 ml	37,55	29,95
			T862.2	1 l	55,40	44,25
			T862.3	2.5 l	116,00	92,75
Hematoxylin solution acc. to Harris	for microscopy	For visualising nuclei, Papanicolaou solution 1a	X903.1	500 ml	54,75	43,75
			X903.2	1 l	77,30	61,80
			X903.3	2.5 l	158,60	126,85
LOEFFLER's methylene blue solution	for microscopy and cell counting	For visualising nuclei.	AE64.1	500 ml	34,95	27,95
			AE64.2	1 l	49,35	39,45
			AE64.3	2.5 l	98,40	78,65
May-Gruenwald's solution	for microscopy	For differential staining of blood smears and cytological specimens.	T863.1	500 ml	32,80	26,20
			T863.2	1 l	42,90	34,25
			T863.3	2.5 l	85,50	68,35
Nuclear fast red aluminium sulphate solution	0,1 %, for microscopy	For visualising nuclei e.g. during Elastica Staining.	N069.1	500 ml	61,20	48,90
			N069.2	1 l	100,95	80,70
			N069.3	2.5 l	198,90	159,10
Resorcinol-Fuchsin-solution acc. to Weigert	for microscopy	For visualising elastic fibres.	X877.1	500 ml	59,70	47,70
			X877.2	1 l	103,75	82,95
			X877.3	2.5 l	210,60	168,45
Van Gieson's Solution	for microscopy	For visualising connective tissue during van Gieson trichrome staining and Elastica van Gieson staining.	3925.1	500 ml	67,20	53,75
			3925.2	1 l	111,70	89,30
Wright's eosin methylene blue solution	for microscopy	For differential staining of blood and bone marrow smears.	CN05.1	500 ml	38,20	30,50
			CN05.2	1 l	52,15	41,70

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

Quick dye kits ready-to-use

-25%


Pulmonary tissue of a rat, stained with H&E fast staining kit.

H&E fast staining kit **ready-to-use** 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	68,30	51,15
9194.2	2 x 500 ml	1 kit	plastic	99,45	74,55

Panoptical fast staining kit **ready-to-use** 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

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
6487.1	3 x 250 ml	1 kit	plastic	99,45	74,55
6487.2	3 x 500 ml	1 kit	plastic	182,25	136,60

PAP fast staining kit **ready-to-use** for microscopy

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



Danger

H225-H302+H312+H332-H319-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	76,25	57,10
9195.2	2 x 500 ml	1 kit	plastic	117,75	88,25



Histology

Mounting media

-25 %



Canada balsam

ready-to-use

ready-to-use, natural, for microscopy

Anhydrous mounting medium

Warning H226

Art. No.	Pack Qty.	Pack.	€	€
8016.1	25 ml	glass	37,55	28,10
8016.2	100 ml	glass	106,45	79,80

Kaiser's glycerol gelatine phenol-free for microscopy

Aqueous mounting medium

It is an aqueous mounting medium which is solid at room temperature. Composition and application are according to the classical Kaiser's glycerol gelatine; however, it does not contain phenol. The added preserving agent is classified as non-hazardous. The pH value of the product is 6–7. Therefore, it is suitable also for stainings which are sensitive against acids (e.g. hematoxylin).

Art. No.	Pack Qty.	Pack.	€	€
6474.1	50 ml	glass	23,15	17,30

Embedded media

-20 %



Product name	Purity	General application	In vitro diagnostic product (ivD)	Packaging	Art. No.	Pack Qty.	€	€
OCT Embedding Matrix	ready-to-use, for histology	Embedding medium for frozen tissue sections.	In vitro diagnostic medical device class A	1 x 125 ml 3 x 125 ml	6478.1 6478.2	125 ml 375 ml	31,75 87,65	25,35 70,05
Paraplast®	for histology	Tissue embedding medium composed of highly purified paraffin containing complex elastomers with regulated molecular weights. Melting point: 56 °C	In vitro diagnostic medical device class A	1 x 1 kg 3 x 1 kg 8 x 1 kg	X880.1 X880.3 X880.2	1 kg 3 kg 8 kg	22,50 61,85 149,45	17,95 49,45 119,50
Paraplast Plus®	for histology	Tissue embedding medium composed of highly purified paraffin containing complex elastomers with regulated molecular weights and an addition of DMSO for large and difficult-to-infiltrate tissue samples. Melting point: 56 °C	In vitro diagnostic medical device class A	1 x 1 kg 3 x 1 kg 8 x 1 kg	X881.1 X881.3 X881.2	1 kg 3 kg 8 kg	26,35 75,15 170,95	21,05 60,05 136,70
ROTI®Plast	100 %, for histology	Tissue embedding medium composed of highly purified paraffin Melting range: 54-56 °C	Not a medical device / Not an IVD product	1 x 1 kg 1 x 2,5 kg 1 x 10 kg 1 x 20 kg	6642.1 6642.5 6642.2 6642.6	1 kg 2.5 kg 10 kg 20 kg	31,10 62,25 224,70 413,90	21,70 43,50 157,25 289,70
Solidifix® Cryo spray	ready-to-use, for histology	Freezing of histological specimens. Cooling of paraffin blocks. Cooling to -45 °C.	Not a medical device / Not an IVD product	1 x 400 ml 4 x 400 ml	T200.3 T200.4	400 ml 1.6 l	12,80 40,75	10,20 32,55

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	104,60
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)	94,10	75,25
			1106.2	100 unit(s)	464,95	371,95
ROTI®Fair PBS 7.4	100 ml/tablet	7,4 ±0,05	1107.1	100 unit(s)	73,00	58,35
	200 ml/tablet	7,4 ±0,05	1108.1	100 unit(s)	120,30	96,20
	500 ml/tablet	7,4 ±0,05	1111.1	12 unit(s)	63,35	50,60
			1111.2	100 unit(s)	255,35	204,25
	1000 ml/tablet	7,4 ±0,05	1112.1	10 unit(s)	94,10	75,25
			1112.2	100 unit(s)	459,60	367,65
ROTI®Fair PBST 7.4	500 ml/tablet	7,4 ±0,05	1115.1	12 unit(s)	81,60	65,25
			1115.2	100 unit(s)	330,60	264,45
	1000 ml/tablet	7,4 ±0,05	1116.1	10 unit(s)	106,35	85,00
			1116.2	100 unit(s)	524,10	419,25

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)	155,90	124,70
	100 l/pouch	7,4 ±0,05	1104.1	1 unit(s)	255,35	204,25
ROTI®Fair 10x PBS 7.4	1000 ml/pouch	7,4 ±0,05	1105.1	5 unit(s)	120,10	98,45
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	94,10	75,25
			0987.2	1.25 kg	317,15	253,70

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

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