



Life Science TOP Offers



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

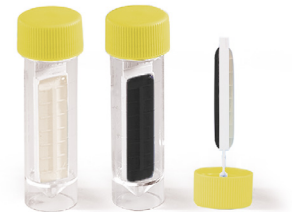
ROTI®Plate90 ready-to-use

Product name	Purity	General application	Art. No.	Pack Qty.	€	€
ROTI®Plate90 CASO	Ph. Eur., ISO 11133, ready-to-use, sterile, for microbiology	For the cultivation of non-demanding microorganisms.	1ATX.1	10 unit(s)	17,75	14,15
ROTI®Plate90 TSA 4N	Ph. Eur., USP, JP, ISO 11133, ready-to-use, sterile, for microbiology	For monitoring microbial contamination.	1K21.1	10 unit(s)	31,75	25,35



ROTI®DipSlides

Product name	General application	Art. No.	Pack Qty.	€	€
ROTI®DipSlide CASO-TTC/RBCenr	For total germ count and for detection of yeasts and moulds in solution or on surface. Suitable for analysis of water-mixable cooling lubricants, air conditions, water-soluble paint, and cosmetics.	3934.1	20 unit(s)	82,70	66,10
ROTI®DipSlide PCA/Legionella	For total germ count and for detection of legionells in solution or on surface.	2493.1	20 unit(s)	82,70	66,10



CompactDry™

Product name	General application	Art. No.	Pack Qty.	€	€
CompactDry™ TC	Ready-made plates with anhydrous chromogenic nutrient medium for total germ count.	4816.1	40 unit(s)	98,80	79,00
		4816.2	240 unit(s)	482,70	386,10
CompactDry™ Swab -25%	All-in-one set of swab and nutrient broth for microbiological sampling of surfaces.	225K.1	50 unit(s)	220,40	165,25
		225K.2	250 unit(s)	676,20	507,10
		225K.3	500 unit(s)	1.101,90	826,40



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

Valid from 4 March to 31 May 2024

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

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Contact: www.carlroth.com/nl/nl/Sales-representatives

Vanaf Euro 250,- zonder kosten! Prijzen excl. BTW. De verkoop en leveringsvoorwaarden van Carl Roth GmbH + Co. KG zijn van toepassing.

Bij opdrachten met een bestelwaarde minder dan Euro 250,- wordt Euro 16,00 verzendkosten in rekening gebracht.

De algemene verkoop- en leveringsvoorwaarden van Carl Roth GmbH + Co. KG, Karlsruhe zijn van toepassing.

NL-EN



ROTH for Future – **-20%** the Sustainable Alternative at Carl ROTH

S ready-to-use

ROTI®Cell Accutase solution

CELLPURE® 1x in DPBS, ready-to-use, sterile, with phenol red, with EDTA

Cell dissociation solution

For gentle detachment of adherent cells from culture surfaces.

-15%



Advantages:

- Reduced cell stress with maximum recovery and yield
- Surface proteins remain intact
- No neutralization step required
- Without mammalian components

Stable at +2 °C to +8 °C for two months. Does not need to be aliquoted.

Art. No.	Pack Qty.	Pack.	€	€
1Y18.1	100 ml	plastic	79,45	67,50

ready-to-use

ROTI®Histofix ECO Plus

SOLVAGREEN® ready-to-use, formalin-free

For fixing of histological and immuno-chemical specimens. Formalin substitute.

ROTI®Histofix ECO Plus is a ready-to-use, aqueous solution on the basis of hexamethylene tetramine. The solution has similar good fixation properties like formaldehyde, but is, unlike formaldehyde, classified as non-toxic.

Warning H317

Not a medical device / Not an IVD product



Art. No.	Pack Qty.	Pack.	€	€
8907.1	500 ml	plastic	19,90	15,90
8907.2	2.5 l	plastic	61,85	49,45
8907.3	5 l	plastic	117,20	93,70

ready-to-use

ROTICLEAR®

ROTICLEAR® ready-to-use, for histology

Clearing agent of aliphatic hydrocarbons, practically free from aromatic compounds. For dewaxing of histological sections. Alternative product for xylene.

Please contact us for your free sample!

Danger H226-H304-H336-H412-EUH066



Art. No.	Pack Qty.	Pack.	€	€
A538.1	1 l	glass	22,05	17,60
A538.5	2.5 l	glass	42,50	33,95
A538.6	5 l	aluminium	69,80	55,75
A538.2	10 l	tinplate	127,95	102,30
A538.3	25 l	tinplate	256,95	205,50
A538.4	200 l	barrel	1.386,75	1.109,40

ROTI®Fair PBS 7.4 tablets

PBS (tablet), Phosphate buffered saline

Exactly pre-weighed tablets for convenient and rapid preparation of PBS solution.



Product name	Batch quantity	pH value	Art. No.	Pack Qty.	€	€
ROTI®Fair PBS 7.4	500 ml/tablet	7,4 ±0,05	1111.1	12 unit(s)	66,55	53,20
			1111.2	100 unit(s)	267,70	214,10
	1000 ml/tablet	7,4 ±0,05	1112.1	10 unit(s)	98,80	79,00
			1112.2	100 unit(s)	482,70	386,10

ready-to-use

Decalcifier soft

SOLVAGREEN® ready-to-use, for histology

Decalcifier solution on base of EDTA. Used for gentle decalcification of bones and other calcified tissues. The solution is also suitable for immunological applications.

The solution contains 25 % EDTA.

Danger H290-H314-H373

Not a medical device / Not an IVD product



Art. No.	Pack Qty.	Pack.	€	€
6484.1	500 ml	glass	33,25	26,55
6484.2	1 l	glass	50,45	40,30
6484.3	2.5 l	plastic	83,75	66,95
6484.4	5 l	plastic	149,45	119,50

ready-to-use

ROTI®Histol

ready-to-use, for histology

Clearing agent on the basis of limonene. For dewaxing of histological sections.

- Clearing agent on the basis of limonene
- **Alternative product for xylene**
- Particularly suitable for histological work by hand
- Compatible with the mounting medium ROTI®Histokitt

Please contact us for your free sample!

Danger H226-H304-H315-H317-H411



Art. No.	Pack Qty.	Pack.	€	€
6640.1	1 l	glass	47,85	38,25
6640.4	2.5 l	glass	97,90	77,80
6640.5	5 l	aluminium	177,40	141,90
6640.2	10 l	tinplate	327,90	262,30
6640.6	25 l	tinplate	725,65	580,50

Enzymes · Topseller **-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** **-25%** **NEW**

≥30 U/mg, lyophilised

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	20,05
23NX.1	1 x 100 mg	100 mg	glass	89,75	62,75
23NX.2	1 x 500 mg	500 mg	glass	317,15	237,80
23NX.5	in 30 ml glass vial	500 mg	glass	342,95	257,15
23NX.3	1 x 1 g	1 g	glass	521,40	390,95
23NX.4	1 x 5 g	5 g	glass	2.090,90	1.567,35

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	120,90	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, lyophilised

⚠️ ⚠️ **Danger H315-H317-H319-H334-H335**

Art. No.	Pack Qty.	Pack.	€	€
3726.1	100 mg	glass	219,95	171,10
3726.2	1 g	glass	951,40	761,10

... or as a Solution**Proteinase K – Solution** **S** **ready-to-use**

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

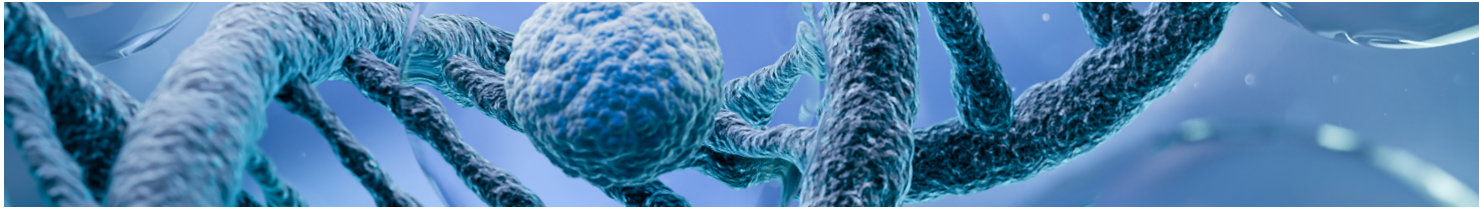
⚠️ **Danger H317-H334**

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 NEW	≥200 U/mg, lyophilized	From porcine pancreas.	258E.1	10 mg	91,40	73,10
			258E.2	25 mg	199,90	159,10
			258E.3	100 mg	666,50	533,20
Hyaluronidase NEW	≥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	≥45 000 FIP U/mg, lyophilized	From chicken egg white, free from albumin.	8259.1	1 g	38,20	30,50
			8259.2	10 g	192,45	153,90
			8259.3	25 g	392,40	313,90
Papain -25%	>30 000 USP-U/mg, for biochemistry	Made from <i>Carica papaya</i> .	8933.1	25 g	66,55	49,85
			8933.2	100 g	181,70	136,25
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, lyophilised.	2193.1	100 mg	53,65	42,85
			2193.2	500 mg	289,65	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
Zymolyase® 20T	≥20 U/mg, for biochemistry and molecular biology	For lysis of yeast cells. Isolated from <i>Arthrobacter luteus</i> .	9324.1	100 mg	109,10	82,45
			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.nl

Basics for DNA Extraction

-20%**ROTI®SampleConcentrator Water** **NEW**

for molecular biology

Kit for the concentration of microorganisms and biomolecules from water.

Concentration is based on a novel technology in which the water contained in the sample is specifically absorbed by means of special SCW beads.

Application examples:

- Isolation of DNA and RNA
- Cultivation of microorganisms
- Flow cytometry
- Immunological methods (lateral flow test, ELISA)
- Microscopy and spectroscopy

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	74,50	57,15
20N4.2	50 preparations	1 kit	cardboard	267,70	214,10

ROTI® SampleLyse Microbes Special

Carl ROTH.

For homogenisation of various microorganisms, spores or environmental samples.**Recommended application(s):**

- Microorganisms: Yeasts, fungi, algae, bacteria, spores
- Environmental samples: Soil, faeces

Properties:

- Vessel volume: 2 ml
- Bead material: ceramic (0.4-0.6 mm & 1.4-1.6 mm)



Volume (ml)	Ø Ball (mm)	Art. No.	Pack Qty.	€	€
to 2	0,4-1,6	1YKK.1	10 unit(s)	39,25	31,35
to 2	0,4-1,6	1YKK.2	50 unit(s)	160,20	128,10
to 2	0,4-1,6	1YKK.3	100 unit(s)	287,60	230,05
to 2	0,4-1,6	1YKK.4	250 unit(s)	639,65	511,70

S

ready-to-use

DNase-free

RNase-free

Water**BioScience Grade, DEPC treated, sterile, nuclease-free, autoclaved**

For molecular biology.

Distilled water mixed with DEPC and steam sterilised. By DEPC Histidin residues in proteins are modified to *N*-carboxy histidin, resulting in inhibition of RNases and DNases. DEPC decomposes to CO₂ and ethanol during sterilisation.

Art. No.	Packaging	Pack Qty.	Pack.	€	€
T143.4	50 x 1 ml in tubes	50 ml	plastic	127,95	102,30
T143.6	50 x 1 ml in glass breaker ampoules	50 ml	glass ampoule	138,70	110,90
T143.5	5 x 20 ml	100 ml	glass	33,90	27,05
T143.1	1 x 250 ml	250 ml	glass	32,15	25,65
T143.2	1 x 500 ml	500 ml	glass	40,35	32,25
T143.3	1 x 1 l	1 l	glass	55,40	44,25

ROTI®Prep gDNA Mini 2.0 **NEW**

for molecular biology

Kit for the isolation of genomic DNA from various starting materials such as bacteria, plants, fungi, cell cultures or blood.

- For DNA extraction from bacteria, fungi and eukaryotic cell, blood and tissue samples.
- Preparation in the well-established mini-column system
- Fast, simple and reliable
- Extraction time of approx. 8 min (without lysis step)
- Yield, depending on the starting material, of up to 65 µg gDNA

The kit contains:

Lysis Buffer LSV, Lysis Buffer LSN, Binding Buffer BR, Binding Buffer BSN, Proteinase K, RNase A (10 mg/ml), Washing Buffer WSO, Washing Buffer WSH (conc.), Washing Buffer WST (conc.), Elution Buffer EB, Centrifugation columns, Collection tubes, Elution tubes, detailed instructions.

**Danger**

H225-H315-H317-H318-H334-H335-H336-H410

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
1YTK.1	10 preparations	1 kit	cardboard	59,05	47,15
1YTK.2	50 preparations	1 kit	cardboard	231,15	184,90
1YTK.3	250 preparations	1 kit	cardboard	919,15	735,30

ROTI®Nucleic Acid-free**-25%**

ready-to-use

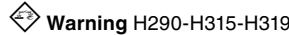
ready-to-use

For removal of nucleic acid contaminations from surfaces.

Decontamination solution · Nuclease Removal · Purification solution for surfaces

ROTI®Nucleic Acid-free was specifically designed for extensive removal of nucleic acid contaminations.

Being a mild reagent, ROTI®Nucleic Acid-free may be used on tables, laboratory devices, as well as on glass and plastic wares.

**Warning** H290-H315-H319

Art. No.	Pack Qty.	Pack.	€	€
HP69.1	500 ml	spray bottle	93,45	70,00
HP69.2	1 l	plastic	127,95	95,90
HP69.3	2.5 l	plastic	274,15	205,55

ROTI®Stock 100x TE**S**

ready-to-use

100x conc., BioScience Grade, ready-to-use, steam sterilized

For molecular biology.

100x stock solution Tris/EDTA for DNA storage.

Common solution and storage buffer for DNA.

The included EDTA inhibits traces of DNases and thus protects your DNA from degradation. However, many other enzymes such as ligases will also be inhibited through the complexation of bivalent cations, therefore TE buffer should not be used as a solution buffer for cloning.

With original seal.

1.0 M Tris (pH 8.0), 100 mM EDTA (pH 8.0) in deionised water, steam sterilised.

Art. No.	Pack Qty.	Pack.	€	€
1052.1	1 l	glass	104,85	83,85



-20%

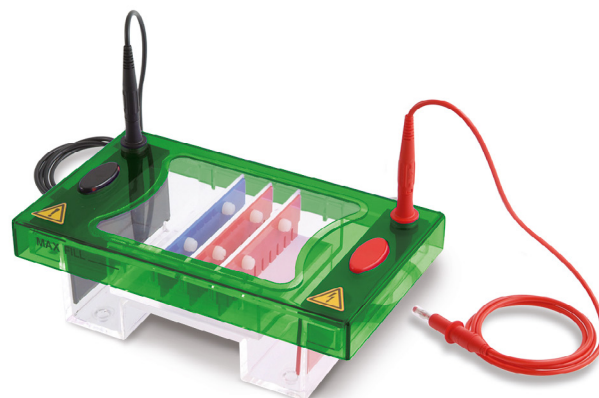
Basics for Agarose Gel Electrophoresis

Electrophoresis Unit ROTIPHORESE® PROfessional II

Carl ROTH.

Gel chamber PROfessional II – First choice for all rapid routine analyses

- Electrophoresis chamber with accessories – ready for use
- Gel casting outside the chamber with gel casting gates
- Gel width 10 cm
- Seven different combs available in four thicknesses, including preparative combs with broad wells
- Compatible with multi-channel pipettors (combs with 10 and 20 teeth)
- Gel trays with 7 and 10 cm length available
- For real-time electrophoresis upgradeable with ROTIPHORESE® PROfessional runVIEW Base MINI (Art. No. 9961.1)



Delivery incl. 1 horizontal gel chamber, 1 safety lid with integral power leads (4 mm plugs), 1 UV-transparent gel casting tray (10 × 10 cm) with 2 gel casting gates, 2 combs (1 mm, 16 teeth).

Type	Art. No.	Pack Qty.	€	€
PROfessional II	2799.1	1 unit(s)	596,65	477,30

DNase-free

RNase-free



NEW

ready-to-use

DNase-free

RNase-free

Agarose Standard

ROTI®Garose for DNA/RNA electrophoresis

General agarose for routine gels, student's courses, and standard analyses (1 kb–20 kb).

Art. No.	Pack Qty.	Pack.	€	€
3810.1	10 g	plastic	22,50	17,95
3810.2	100 g	plastic	89,80	71,80
3810.5	250 g	plastic	177,40	141,90
3810.3	500 g	plastic	349,40	279,50
3810.4	1 kg	plastic	564,40	451,50

ready-to-use

ROTIPHORESE®50x TAE Buffer

ROTIPHORESE® 50x conc.

Running buffer in DNA agarose gel electrophoresis.

ROTIPHORESE®50x TAE Buffer contains 2 M Tris, 1 M acetic acid and 50 mM EDTA in distilled, deionised water; pH 8,5.

Art. No.	Packaging	Pack Qty.	Pack.	€	€
CL86.1	1 x 1 l	1 l	glass	77,95	62,35
CL86.3	1 x 2,5 l	2,5 l	glass	145,15	116,10
CL86.2	1 x 5 l	5 l	plastic	224,70	179,70

1 kbp DNA-Ladder

lyophilised, not prestained

Size range: 500-10000 bp

Number of fragments: 11

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

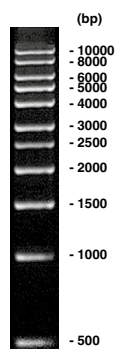
Markers (DNA-gels)

Universal ladder for electrophoretic separation of fragments between 500 bp and 10 kb.

DNA ladder in lyophilised form. Gel loading buffer (Art. No. 0100.1) for dissolving the DNA and subsequent application on gels is supplied.

Storage temperature: –20 °C

Transport temperature: ambient temp.



Art. No.	Packaging	Pack Qty.	Pack.	€	€
Y014.1	50 µg	50 µg	plastic	46,95	39,10
Y014.2	4x 50 µg	200 µg	plastic	166,65	133,30

ROTI®GelStain Red Eco

10 000x conc., ready-to-use

Red fluorescent dye for non-toxic staining of nucleic acid in agarose and polyacrylamide gels.

ROTI®GelStain Red Eco is a versatile staining reagent for the detection of all nucleic acids in agarose and polyacrylamide gels.

Properties:

- Red fluorescence
- Alternative to ethidium bromide, non-toxic, non-mutagenic
- For staining of dsDNA, ssDNA and RNA
- Twice as sensitive as ethidium bromide (approx. 0.1 ng /band)
- Can be used with the common ethidium bromide filters
- Excitation with UV light (300 nm) and blue light (500 nm)
- Compatible with all common downstream applications

Not a medical device / Not an IVD product

Art. No.	Packaging	Pack Qty.	Pack.	€	€
223C.1	1 x 1 ml	1 ml	plastic	155,90	124,70
223C.2	5 x 1 ml	5 ml	plastic	736,40	589,10



ready-to-use

DNase-free

ROTI®Load DNA (with glycerol)

6x conc., DNase-free

DNA-gel loading buffer for DNA gel electrophoresis of routine gels.

Each batch is functionally tested for its suitability in electrophoresis and for DNase-freeness.

Art. No.	Packaging	Pack Qty.	Pack.	€	€
X904.1	5 x 1,8 ml	9 ml	plastic	52,60	42,00

Cell Biology · Transfection

-20%**DOTAP****CELLPURE® ready-to-use, for transfection**

Purity, QC: Controlled by TLC, NMR, standard transfection test with HeLa-, CV-1-cells. At least 99 %

Stability: Minimum shelf-life 6 month at +4 °C

Culture media: Suitable for whole and serum-free media

Formulation

Transfection reagent DOTAP is an aqueous liposome formulation of N-[1-(2,3-Dioleoyloxy)]-N,N,N-trimethylammonium propane methyl sulphate.

Concentration is approx. 1 mg/ml.

Approx. 200 assays per ml in 24wells.

Storage temperature: +4 °C

Art. No.	Packaging	Pack Qty.	Pack.	€	€
L787.1	1 x 0,5 ml	0,5 ml	plastic	110,20	88,15
L787.2	1 x 1 ml	1 ml	plastic	192,45	153,90
L787.3	5 x 1 ml	5 ml	plastic	779,40	623,50

**ROTI®Fect****CELLPURE® ready-to-use, for transfection**

Reagent for liposoma-mediated transfection of eukaryotic cells.

- Highly efficient reproduction of DNA in mammal cells
- Excellent reproducibility
- High and wide operating plateau
- No inhibition through serum
- Low cell toxicity
- Successful with different cell lines
- Excellent transfection results

Approx. 400 assays per ml in 24wells. Dependent on the cell line used.

Storage temperature: +4 °C

Art. No.	Packaging	Pack Qty.	Pack.	€	€
P001.1	1 x 0,2 ml	0,2 ml	plastic	97,75	78,15
P001.2	1 x 0,5 ml	0,5 ml	plastic	209,65	167,70
P001.3	1 x 1 ml	1 ml	plastic	327,90	262,30
P001.4	5 x 1 ml	5 ml	plastic	1.451,25	1.161,00

**ROTI®Fect Plus****CELLPURE® ready-to-use, for transfection**

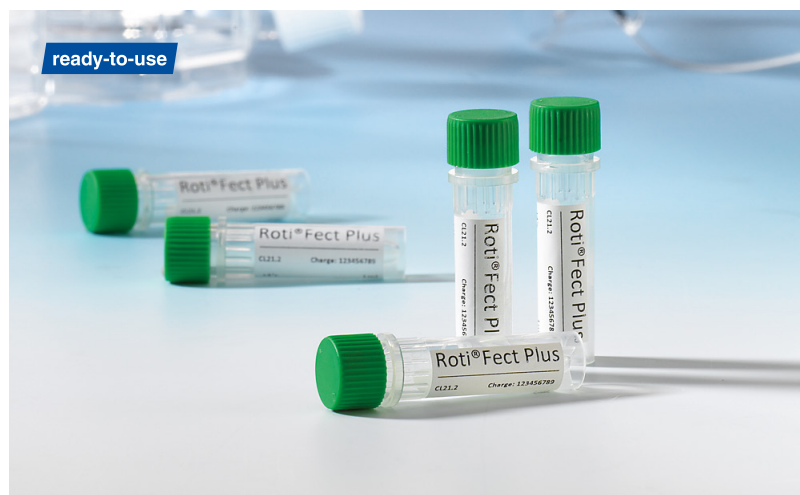
Reagent for transfection of all eukaryotic cells in culture, particularly suited for hard-to-transfect cell lines.

- Particularly low cell toxicity
- Superior transfection efficiency with all cell lines
- Especially recommended for hard-to-transfect cell lines
- Particularly suited for use with primary cells
- Excellent reproducibility
- No serum inhibition

Approx. 500 assays per ml in 24wells. Dependent on the cell line used.

Storage temperature: +4 °C

Art. No.	Packaging	Pack Qty.	Pack.	€	€
CL21.1	1 x 0,2 ml	0,2 ml	plastic	117,75	94,15
CL21.2	1 x 1 ml	1 ml	plastic	424,65	339,70



► Additional information in the current catalog or at www.carlroth.nl



Histology **-20%**



Fixation

Product name	Purity	General application	Art. No.	Pack Qty.	€	€
Glutaraldehyde	50 %, in water, for electron microscopy	Fixative for electron microscopy	4995.1	500 ml	127,95	102,30
			4995.2	2.5 l	564,40	451,50
	25 %, in water, for electron microscopy	Fixative for electron microscopy	3778.1	1 l	91,30	72,95
			3778.2	5 l	385,95	308,70
			4157.2	10 ml	89,15	71,25
			4157.1	25 ml	24,65	19,65
4157.3	50 ml	38,60	30,85			
Osmium tetroxide	≥99,95 %, p.a., for electron microscopy	In sealed off glass ampoules.	8371.1	100 mg	69,80	55,75
			8371.2	500 mg	145,15	116,10
			8371.3	1 g	224,70	179,70
Osmium tetroxide solution	2 %, for electron microscopy	In sealed off glass ampoules.	7436.1	5 ml	59,65	42,85
	4 %, for electron microscopy	In sealed off glass ampoules.	8088.1	5 ml	84,85	67,80
ROTI®Fix spray fixative	-25% ready-to-use, for cytology	For fixation of samples from cytological material.	CL85.1	100 ml	21,00	15,70

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

Reagents

Product name	Purity	General application	Art. No.	Pack Qty.	€	€
Decalcifier standard	ready-to-use, for histology	Acid-based decalcifier. Contains trichloroacetic acid and formalin. Used for acid decalcification of bones and other calcified tissues.	6483.1	500 ml	32,15	25,65
			6483.2	1 l	48,90	38,55
			6483.3	2.5 l	78,40	62,65
			6483.4	5 l	130,70	110,90
HCl-ethanol solution	0,75 % HCl in ethanol, ready-to-use, for histology	Differentiating solution for histological staining.	9969.1	500 ml	21,00	16,75
			9969.2	1 l	33,90	27,05
			9969.3	5 l	115,60	92,45
	3 % HCl in ethanol, ready-to-use, for histology	Differentiating solution for histological staining	6477.1	500 ml	22,05	17,60
			6477.2	1 l	39,25	31,35
6477.3	5 l	134,40	107,50			

Not medical devices / Not IVD products. For safety information and additional data, see our current catalogue or at www.carlroth.nl
 * Prices include german tax on alcohol



ATP Measurement with a System: Lumitester and LuciPac®

-20%

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.

- Lightweight and easy-to-use
- Fast and easy handling
- 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

LuciPac® Pen **ready-to-use**

for hygiene control of surfaces

Kikkoman.

Art. No.	Pack Qty.	Pack.	€	€
NC59.1	20 unit(s)	aluminium bag	127,95	102,30
NC59.2	100 unit(s)	aluminium bag	564,40	451,50

LuciPac® Pen Aqua **ready-to-use**

for hygiene control of liquids

Kikkoman.

Art. No.	Pack Qty.	Pack.	€	€
NC58.1	20 unit(s)	aluminium bag	127,95	102,30
NC58.2	100 unit(s)	aluminium bag	564,40	451,50