

-25%



Protein Quantitation

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. For all proteins solubilised in complex buffer solutions.

Product	Method of Analysis	Photometric Measurement	Linear Measurement Range	Yield*	Art. No.	Pack Qty	€	€
Roti®-Quant	Bradford	595 nm	2 to 100 µg protein	200/900	K015.2	50 ml	13,90	10,35
				800/3600	K015.3	200 ml	44,65	33,40
				2000/9000	K015.1	500 ml	89,15	66,80
Roti®-Nanoquant	Bradford	590 nm and 450 nm	0,2 to 25 µg protein	200/900	K880.2	50 ml	14,20	10,60
				800/3600	K880.3	200 ml	42,90	32,10
				2000/9000	K880.1	500 ml	85,50	64,05
Roti®-Quant universal	Biuret reaction/PCA (equals BCA)	492 nm or 503 nm	0,5 to 200 µg protein	200/2000	0120.2	1 kit	79,45	59,55
				500/5000	0120.1	1 kit	170,95	128,15

* Measures in 1 ml cuvettes / in microtiter plates

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

Centrifugal devices

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- Gentle: proteins remain native and enzymatically active
- Applicable for purification of all labelled probes
- Very high recovery rates of >90 % when using devices of appropriate MWCO



Roti®-Spin MINI

Type	MWCO (kD)	Colour	Art. No.	Pack Qty.	€	€
Roti®-Spin MINI-3	3	grey	CL12.1	25	106,45	79,80
Roti®-Spin MINI-10	10	blue	CL13.1	25	106,45	79,80
Roti®-Spin MINI-30	30	red	CL14.1	25	106,45	79,80
Roti®-Spin MINI-100	100	clear	CL15.1	25	106,45	79,80

Overview for selection the right pore size

MWCO	Molecular size
3 kD	10 - 20 kD
10 kD	30 - 90 kD
30 kD	90 - 180 kD
100 kD	>300 kD

Magnetic Beads

ready-to-use

- Easy and standardized handling
- Handling is identical to standardized protocols for beads of other suppliers, own established protocols may be used
- Applicable for a wide variety of buffers and media
- Well suited for manual and automated applications

Matrix for simple and efficient binding and isolation of biotinylated compounds (proteins, peptides, nucleic acids, antibodies etc) and for cell sorting. The Matrix of Roti®-MagBeads Streptavidin consists of uniform, superpara-magnetic silica beads. The small bead size of 1 µm in average provides a large surface with excellent binding capacities.



Product	Conc.	Suitability	Binding	Art. No.	Pack Qty.	€	€
Roti®-MagBeads Streptavidin	10 mg/ml	Isolation of Biotin-labelled molecules	3-7 nMol/ng	HP57.2	50 µl	18,85	14,05
				HP57.3	1 ml	203,20	152,35
				HP57.1	2 ml	342,95	257,15
Roti®-MagBeads COOH	10 mg/ml	Loading with own proteins	High capacity and specificity for ligand coupling	HP58.2	50 µl	12,05	9,00
				HP58.1	2 ml	83,75	62,75
Roti®-MagBeads Protein A	10 mg/ml	Isolation of protein A binding antibodies	High affinity for FC domains of a variety of species	HP59.2	50 µl	16,70	12,45
				HP59.1	1 ml	166,65	124,95
Roti®-MagBeads Protein G	10 mg/ml	Isolation of protein G binding antibodies	Recombinant protein G with enhanced affinity	HP60.2	50 µl	16,70	12,45
				HP60.1	1 ml	166,65	124,95

Affinity Chromatography

ready-to-use

For fast and simple purification of His-tagged proteins from raw extracts or antibodies from serum. Prepacked columns with Roti®garose as carrier matrix and nickel or cobalt with IDA cross-linker for immobilized metal ion affinity chromatography (IMAC), or protein A as ligand for the isolation of immunoglobulins from many species. The Matrix may be purchased separately, for self-filling of columns.

Product	Target molecules	Application	Yield
His/Ni Cartridges	His-tagged proteins	Pump, syringe, MPLC, ÄKTA™FPLC™	Superior recovery rate of pure proteins
His/Ni Columns		Gravity chromatography	Superior recovery rate of pure proteins
His/Co Columns		Gravity chromatography	Good recovery rate of extremely pure proteins
Protein A Columns	Antibodies	Gravity chromatography	High recovery rate of extremely pure antibodies



Roti®garose-Protein A

Danger H225

Product	Fig.	Art. No.	Pack Qty.	€
MINI Columns	①	4065.1	5x100 µl	165,25
MIDI Columns	②	4066.1	1x1 ml	159,20
MAXI Columns	②	4070.1	1x5 ml	374,90
Beads (refill pack)	-	1278.1	5 ml	345,85
	-	1278.2	25 ml	1.201,30

Roti®garose-His/Ni

Danger H225

Product	Fig.	Art. No.	Pack Qty.	€
Cartridges	③	1318.1	1x5 ml	110,45
	③	1318.2	5x5 ml	467,60
Columns	②	1314.1	8x1 ml	149,15
	②	1314.2	5x5 ml	374,90
Beads (refill pack)	-	1308.1	25 ml	194,65
	-	1308.2	100 ml	507,10

Roti®garose-His/Co

Danger H225

Product	Fig.	Art. No.	Pack Qty.	€
Columns	②	1267.1	8x1 ml	149,15
	②	1267.2	5x5 ml	374,90
Beads (refill pack)	-	1235.1	25 ml	195,45
	-	1235.2	100 ml	507,10

i For further information and detailed instructions-for-use see www.carlroth.com > Life Science > Biochemistry

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