

SERVA

Market Square

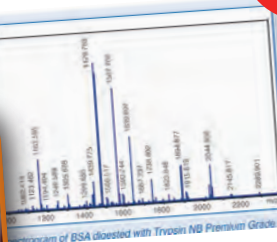
Life Sciences
April – June 2018

Enzymes and Reagents
for Mass Spectrometry

25%

Cell-Based Assays

25%



20%

Dialysis



30%

Buffer and Buffer Solutions



analytica 2018

Hall A3, Booth 403

ACHEMA2018

Hall 4.1, Booth D59

25%



Sample Preparation

Enzymes and Reagents for
Mass Spectrometry

Cell-Based Assays

Sample Preparation

Dialysis

Buffer and Buffer Solutions

Enzymes and Reagents for Mass Spectrometry

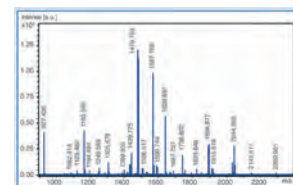
Trypsin MS approved / Lysyl Endopeptidase MS approved (LysC)

analytica 2018
ACHEMA 2018 **NEW!**

- Each lot is QC tested by mass spectrometry
- High stability and specificity
- Lysyl endopeptidase as alternative or for double digest with trypsin
- Customized trypsin packaging sizes available on request

- 25%

Cat. no.	Product	Size	Price	Promotion
37286.01	Trypsin MS approved, from porcine pancreas	100 µg	54,00 €	40,50 €
37286.02		150 µg	73,00 €	54,75 €
37286.03		1 mg	435,00 €	326,25 €
37286.04		4x 25 µg	69,00 €	51,75 €
20987.01	Lysyl Endopeptidase® MS approved, recombinant	20 µg	66,00 €	49,50 €



Endoproteinase Glu-C

- Alternative to trypsin and LysC in *de novo* protein sequencing and MS analysis
- Serin endoprotease isolated from *Staphylococcus aureus* V8

- 25%

Cat. no.	Product	Size	Price	Promotion
20986.01	Endoprotease Glu-C MS approved, from <i>S. aureus</i>	2x 25 µg	92,00 €	69,00 €



PNGase F

analytica 2018
ACHEMA 2018 **NEW!**

- Recombinant, activity-optimized enzyme
- Highly efficient deglycosylation of glycoproteins and serum glycoproteins in minutes at RT

- 25%

Cat. no.	Product	Size	Price	Promotion
36404.01	PNGase F, recombinant	50 µl	178,00 €	133,50 €



Reagents for Mass Spectrometry

- Acetonitrile, methanol and water in UHPLC MS quality
- Guarantee for beste separation results in MS

analytica 2018
ACHEMA 2018 **NEW!**

- 25%

Cat. no.	Product	Size	Price	Promotion
45634.01	Acetonitrile for UHPLC-MS	1 L	65,00 €	48,75 €
45634.02		2.5 L	105,00 €	78,75 €
45640.01	Formic acid 99 % for LC-MS	50 ml	49,00 €	36,75 €
45640.02		10x 1 ml	65,00 €	48,75 €
45639.01	Ammonium formate for LC-MS	50 G	49,00 €	36,75 €
45638.01	Acetic acid 100 % for LC-MS	50 ml	33,00 €	24,75 €
45636.01	Isopropanol for LC-MS	1 L	33,00 €	24,75 €
45636.02		2.5 L	65,00 €	48,75 €
45635.01	Methanol for UHPLC-MS	2.5 L	38,00 €	28,50 €
45641.01	Trifluoroacetic acid for LC-MS	50 ml	49,00 €	36,75 €
45641.02		10x 1 ml	63,00 €	47,25 €
45641.03		10x 2.5 ml	88,00 €	66,00 €
45637.01	Water for UHPLC-MS	2,5 L	35,00 €	26,25 €



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Cell-Based Assays

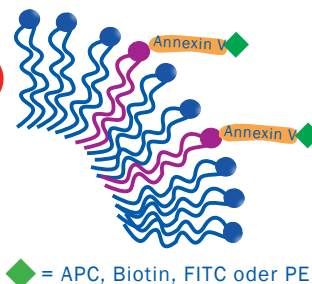
Apoptosis Detection Kits

analytica 2018
ACHEMA 2018 **NEW!**

- Detect early/middle stages of apoptosis
- Contains propidium iodide for the differentiation of apoptosis and necrosis
- Non-enzymatic assay avoids fixation

Cat. no.	Product	Size	Price	Promotion
39901.01	Annexin V-APC Apoptosis Detection Kit	100 Reactions	250,00 €	187,50 €
39902.01	Annexin V-Biotin Apoptosis Detection Kit	100 Reactions	250,00 €	187,50 €
39900.01	Annexin V-FITC Apoptosis Detection Kit	100 Reactions	250,00 €	187,50 €
39903.01	Annexin V-PE Apoptosis Detection Kit	100 Reactions	250,00 €	187,50 €

- 25%



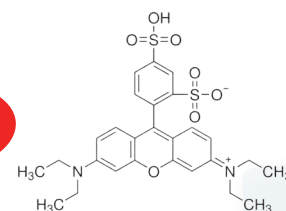
Sulforhodamine B Cytotoxicity Assay

analytica 2018
ACHEMA 2018 **NEW!**

- Faster and better linearity than formazan-based assays
- Stable end-point, thus no need for time-sensitive measurement as with XTT or MTT assays
- Ideal for high throughput drug screening

Cat. no.	Product	Size	Price	Promotion
39906.01	Sulforhodamine B Cytotoxicity Assay	1,000 Reactions	159,00 €	119,25 €

- 25%



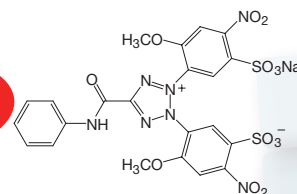
XTT Cell Proliferation Assay

analytica 2018
ACHEMA 2018 **NEW!**

- Easy to use - no need for additional reagents or cell washing procedures
- Fast - results within 2 - 5 hours
- Sensitive - works with low cell concentrations

Cat. no.	Product	Size	Price	Promotion
39904.01	XTT Cell Proliferation Assay	1,000 Reactions	148,00 €	111,00 €

- 25%



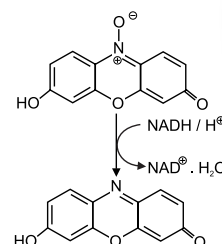
Resazurin Cell Viability Assay

analytica 2018
ACHEMA 2018 **NEW!**

- One-step procedure without dilution or washing steps
- Fluorescent or colorimetric signal is proportional to number of living cells in the sample
- Reduction of resazurin in metabolically active cells to pink coloured, highly red fluorescent resorufin

Cat. no.	Product	Size	Price	Promotion
39905.01	Resazurin Cell Viability Assay	4x 2,500 Reactions	299,00 €	224,25 €

- 25%

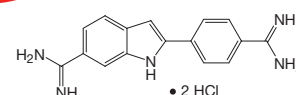


Reagents for Cell-Based Assays

- Iodonitrotetrazolium chloride for determination of dehydrogenase activity in colorimetric assays or histochemistry
- Triphenyltetrazolium chloride - mitochondrial redox potential indicator for cell death

Cat. no.	Product	Size	Price	Promotion
18860.01	DAPI (4',6-Diamidino-2-phenylindole-2HCl), analytical grade.	10 mg	42,00 €	31,50 €
18860.02		25 mg	81,00 €	60,75 €
26840.02	INT (Iodonitrotetrazolium chloride), research grade.	2,5 g	45,00 €	33,75 €
26840.03		10 g	156,00 €	117,00 €
37130.03	TTC (Triphenyltetrazolium chloride), analytical grade.	10 g	30,00 €	22,50 €
37130.02		50 g	101,00 €	75,75 €
20395.02	MTT (3-(4,5-Dimethyl-2-thiazolyl)-2,5-diphenyl-2H-tetrazolium-bromide), research grade	1 g	27,00 €	20,25 €
20395.03		5 g	97,00 €	72,75 €

- 25%



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Sample Preparation

Protein Extraction Kits analytica 2018 ACHEMMA2018 **NEW!**

- Extraction of native proteins from mammalian cells and tissues
- Protocol without ultracentrifugation
- Protease-Inhibitor Mix M included
- Membrane protein isolation in only 75 min with up to 90 % efficiency
- For SDS PAGE, western blot, ELISA, enzyme activity tests, immunoprecipitation and other functional assays

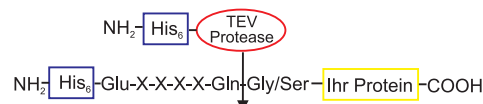


- 25%

Cat. no.	Product	Size	Price	Promotion
39241.01	Mammalian Total Protein Extraction Kit (cytoplasmatic, nuclear and membrane proteins)	100 Samples	210,00 €	157,50 €
39243.01	Mammalian Nuclear and Cytoplasmatic Protein Extraction Kit	50 Samples	280,00 €	210,00 €
39242.01	Mammalian Membrane Protein Extraction Kit (cytoplasmatic and membrane proteins)	50 Samples	280,00 €	210,00 €

TEV Protease, recombinant analytica 2018 ACHEMMA2018 **NEW!**

- Removal of fusion tags of recombinant proteins with high efficiency
- Significantly higher activity and stability compared to native enzyme
- Cleaves Glu-X-X-X-Gln-Gly/Ser-motive between Gln and Gly/Ser
- N-terminal polyhistidine tag for easy removal from the cleavage reaction



- 25%

Cat. no.	Product	Size	Price	Promotion
36403.01	TEV Protease, recombinant	1,000 Units	75,00 €	56,25 €

Proteinase K, recombinant analytica 2018 ACHEMMA2018 **NEW!**

- Protease with high specific activity and broad spectrum of action
- Digestion of proteins, especially nucleases in nucleic acid extraction
- Free of endo-, exo- and ribonucleases



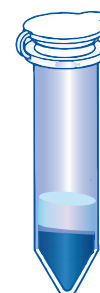
- 25%

Cat. no.	Product	Size	Price	Promotion
33756.02	Proteinase K, recombinant, min. 30 mAnsonU/mg,	100 mg	63,00 €	47,25 €
33756.03	molecular biology grade	500 mg	205,00 €	153,75 €

BlueZol Lysis Reagent for Cells and Tissues analytica 2018 ACHEMMA2018 **NEW!**

- Extraction of total RNA from the aqueous phase
- Simultaneous extraction of
 - DNA from the interphase and from
 - Proteins from the organic phase
- For all animal and plant tissue, for cell and bacteria cultures

Cat. no.	Product	Size	Price	Promotion
39808.01	BlueZol	100 ml	115,00 €	86,25 €



- 25%

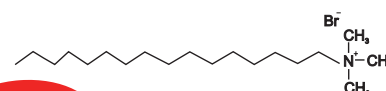
- Aqueous phase: RNA
- Interphase: DNA
- Organic phase: proteins and lipids

CTAB DNA Extraction Buffer

- Complex formation with nucleic acids and subsequent precipitation for removal of polysaccharides, phenolic components, proteins etc. from plant cell lysates
- Contains 2 % of the non-ionic detergent CTAB

Cat. no.	Product	Size	Price	Promotion
39809.01	CTAB DNA Extraction Buffer	500 ml	21,00 €	15,75 €

- 25%



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Dialysis

Xpress Equilibrium Dialysis Devices

analytica 2018
ACHEM 2018

NEW!

- For protein-drug or receptor-binding studies etc.
- Sample loading and retrieval with standard laboratory micropipettes
- Up to 98 % sample recovery
- Automation compatible



- 20%

Xpress Equilibrium Dialyzer ED300, sample volumina of 50 µl – 300 µl

Cat. no.	MWCO (kDa)	Product	Size	Price	Promotion
46162.01	2	1x detachable 8-microdialysis device strip	8 Pieces	39,00 €	31,20 €
46163.01		12x detachable 8-microdialysis device strip in 96 deep well plate	1 Kit	418,00 €	344,40 €
46164.01	3.5	1x detachable 8-microdialysis device strip	8 Pieces	36,00 €	28,80 €
46165.01		12x detachable 8-microdialysis device strip in 96 deep well plate	1 Kit	344,00 €	275,20 €
46166.01	6 - 8	1x detachable 8-microdialysis device strip	8 Pieces	36,00 €	28,80 €
46167.01		12x detachable 8-microdialysis device strip in 96 deep well plate	1 Kit	344,00 €	275,20 €
46168.01	12 - 14	1x detachable 8-microdialysis device strip	8 Pieces	36,00 €	28,80 €
46169.01		12x detachable 8-microdialysis device strip in 96 deep well plate	1 Kit	344,00 €	275,20 €
46170.01	20	1x detachable 8-microdialysis device strip	8 Pieces	39,00 €	31,20 €
46171.01		12x detachable 8-microdialysis device strip in 96 deep well plate	1 Kit	418,00 €	344,40 €
46172.01	140	1x detachable 8-microdialysis device strip	8 Pieces	45,00 €	36,00 €
46173.01		12x detachable 8-microdialysis device strip in 96 deep well plate	1 Kit	527,00 €	421,60 €

ReadyLyzer Dialysis Devices

- Ready-to-use, for the rapid dialysis of protein, DNA and RNA samples
- Easily opened and closed with a screw cap
- Delivered with a floating ring for easy dialysis and buffer exchange in a beaker



- 20%

ReadyLyzer Dialysis Devices

Cat. no.	MWCO (kDa)	Volume	Product	Size	Price	Promotion
44620.01	6 - 8	10 – 250 µl	ReadyLyzer 0.25	10 Pieces	48,00 €	38,40 €
44620.02				30 Pieces	125,00 €	100,00 €
44621.01	12 - 14	10 – 250 µl	ReadyLyzer 0.25	10 Pieces	48,00 €	38,40 €
44621.02				30 Pieces	101,00 €	80,80 €
44623.01	3.5	50 – 800 µl	ReadyLyzer 0.8	10 Pieces	53,00 €	42,40 €
44623.02				30 Pieces	132,00 €	105,60 €
44624.01	6 - 8	50 – 800 µl	ReadyLyzer 0.8	10 Pieces	53,00 €	42,40 €
44624.02				30 Pieces	132,00 €	105,60 €
44625.01	3.5	0.1 – 3 ml	ReadyLyzer 3	5 Pieces	50,00 €	40,00 €
44625.02				15 Pieces	112,00 €	89,60 €
44626.01	6 - 8	0.1 – 3 ml	ReadyLyzer 3	5 Pieces	50,00 €	40,00 €
44626.02				15 Pieces	112,00 €	89,60 €
44627.01	12 - 14	0.1 – 3 ml	ReadyLyzer 3	5 Pieces	50,00 €	40,00 €
44627.02				15 Pieces	112,00 €	89,60 €
44630.01	3.5	10 ml	ReadyLyzer 10	10 Pieces	101,00 €	80,80 €
44632.01	6 - 8			10 Pieces	101,00 €	80,80 €
44634.01	12 - 14			10 Pieces	101,00 €	80,80 €
44631.01	3.5	20 ml	ReadyLyzer 20	10 Pieces	101,00 €	80,80 €
44633.01	6 - 8			10 Pieces	101,00 €	80,80 €
44635.01	12 - 14			10 Pieces	101,00 €	80,80 €

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Buffer and Buffer Solutions

Buffer Substances

- For biochemistry, molecular biology and cell culture
- Purity min. 99.0 %, heavy metals ≤10 ppm

- 30%

Cat. no.	Product	Size	Price	Promotion
15107.03	BISTRIS, analytical grade	100 g	58,00 €	40,60 €
15107.04		250 g	133,00 €	93,10 €
15108.01	BES, analytical grade	100 g	46,00 €	32,20 €
15108.02		250 g	99,00 €	69,30 €
15108.03		500 g	185,00 €	129,50 €
23390.02	Glycine, analytical grade, Ph. Eur., USP	500 g	18,00 €	12,60 €
23390.04		1 kg	26,00 €	18,20 €
23390.03		5 kg	98,00 €	68,60 €
25245.03	HEPES, analytical grade, for cell culture	100 g	30,00 €	21,00 €
25245.04		250 g	65,00 €	45,50 €
25245.05		1 kg	185,00 €	129,50 €
25245.06		5 kg	740,00 €	518,00 €
25247.01	HEPES, for biochemistry	100 g	23,00 €	16,10 €
25247.02		500 g	79,00 €	55,30 €
25247.03		1 kg	134,00 €	93,80 €
25247.04		5 kg	589,00 €	412,30 €
25249.04	HEPES sodium salt, analytical grade	1 kg	391,00 €	273,70 €
29830.01	MES Monohydrate, analytical grade	100 g	41,00 €	28,70 €
29830.02		250 g	78,00 €	54,60 €
29830.06		500 g	121,00 €	84,70 €
29830.03		1 kg	213,00 €	149,10 €
29834.02	MES, analytical grade	100 g	45,00 €	31,50 €
29834.04		500 g	170,00 €	119,00 €
29834.03		1 kg	314,00 €	219,80 €
29836.02	MOPS, analytical grade	100 g	37,00 €	25,90 €
29836.03		500 g	115,00 €	80,50 €
29836.04		1 kg	204,00 €	142,80 €
32981.01	PIPES, analytical grade	50 g	33,00 €	23,10 €
32981.02		250 g	99,00 €	69,30 €
37180.03	TRIS, analytical grade, USP	500 g	37,00 €	25,90 €
37180.05		1 kg	63,00 €	44,10 €
37180.04		2,5 kg	143,00 €	100,10 €
37186.02	TRIS, molecular biology grade	500 g	52,00 €	36,40 €
37186.03		1 kg	80,00 €	56,00 €
37186.04		2,5 kg	189,00 €	132,30 €
37194.03	TAPS, analytical grade	100 g	36,00 €	25,20 €
37194.04		250 g	72,00 €	50,40 €
37195.02	TRICINE, analytical grade	100 g	44,00 €	30,80 €
37195.03		500 g	157,00 €	109,90 €



Buffer Solutions

- Save time and labour with ready-to-use solutions

- 30%

Cat. no.	Product	Size	Price	Promotion
39572.01	Sodium acetate buffer pH 5.2, solution 3M, molecular biology grade	250 ml	21,00 €	14,70 €
39791.01	Tris buffer pH 7.5, 1 M solution, molecular biology grade	1 l	46,00 €	32,20 €
39792.01	Tris buffer pH 8.0, 1 M solution, molecular biology grade	1 l	46,00 €	32,20 €
39794.01	Tris buffer pH 8.8, 1 M solution, molecular biology grade	1 l	46,00 €	32,20 €
39799.01	TE Buffer (100X) pH 8.0, molecular biology grade	100 ml	19,00 €	13,30 €
39799.02		500 ml	49,00 €	34,30 €
42596.01	TBS Buffer (10x), sterile	1 l	68,00 €	47,60 €
42595.01	PBS Buffer (10x), sterile	1 l	63,00 €	44,10 €



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