

SERVA

Market Square

Electrophoresis April – June 2018

analytica 2018

Hall A3, Booth 403

ACHEMA2018

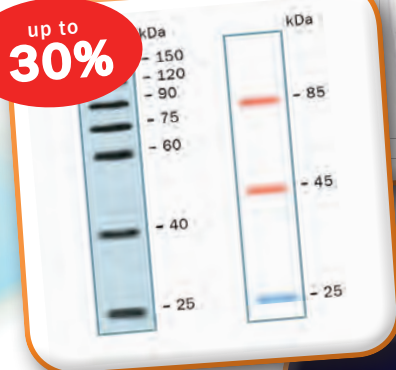
Hall 4.1, Booth D59

Gel Documentation



Western Blotting

up to
30%



20%



30%

Protein
Electrophoresis



Fluorescence Dyes

Gel Documentation & IQ/OQ

Western Blotting

Fluorescence Dyes

Protein Electrophoresis

DNA/RNA Electrophoresis

up to
40%

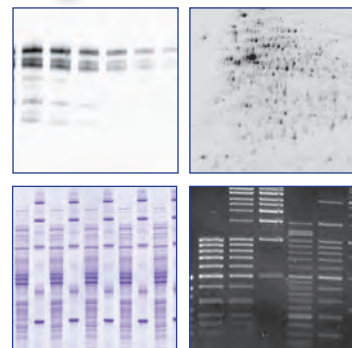
DNA/RNA Electrophoresis



Gel Documentation

SERVA Musketeer ^{analytica 2018} ^{ACHEM2018} **NEW!**

- All-in-one gel documentation system for chemiluminescence, fluorescence (RGB, UV) and white light detection
- Cooled CCD camera for chemiluminescence detection
- Equipped with RGB and VIS transilluminator and epi light
- Equipped with UV transilluminator
- For gel sizes up to 260 mm x 200 mm
- Stand-alone system with touchscreen operation panel
- Optional with Lab Image 1D analysis software
- Quality assurance (IQ, OQ, PQ, CRF Part 11) of unit and software available



Specifications

Control Panel

Display	10.4" Multi-touch LCD Panel
OS	Embedded Linux

Camera

Sensor	6M CCD
Resolution	2,736 x 2,160 Pixels
Pixel Size	4.54 µm x 4.54 µm
Cooling Temperature	-55 °C from Ambient
Exposure Time	10 ms – 90 min

Optical

Auto Focus	Yes
IRIS	f0.95
Zoom	12 cm x 9 cm
	19 cm x 14 cm
	26 cm x 20 cm
	Manual operation
Filter	6 Positions (Motor-powered)
Viewing Area	26 cm x 20 cm

Light Source

UV	306 nm UV Transilluminator
White Light	White Backlight Plate
	Epi White Light
R/G/B	R/G/B Transilluminator Epi R/G/B Light

Capture

UV	Yes (Transilluminator)
R/G/B	Yes (Transilluminator, Epi)
White Light	Yes (Transilluminator, Epi)
Chemiluminescence	Yes

Connection

USB 2.0 Port	3x (Front 1x, Rear 2x)
10/100 Ethernet	1x (Front)

Lift Plate

3 Lift Level	Manual Adjustable
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Certificates

CE & FCC	Yes
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Dimensions

L x W x H	452 mm x 423 mm x 659 mm
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Weight

Net Weight	52 kg
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Cat. no.	Product	Size	Promotion
MSK-01	SERVA Musketeer	1 Piece	please inquire

IQ/OQ/PQ – Quality control in your laboratory ^{analytica 2018} ^{ACHEM2018} **NEW!**

- Quality management of your electrophoresis system, scanner or gel documentation unit for installation (IQ), operation (OQ) and performance (PQ)
- On request, images captured by scanner BIO-5000P or gel documentation system Musketeer are CRF Part 11 conform
- Service maintenance contracts according to your needs
- Please send your inquiries to info@serva.de



SERVA

How to order: phone: +49 6221 13840-47, fax: -10, e-mail: order@serva.de or visit the SERVA online shop at www.serva.de. For SERVA General Conditions of Sale and Supply (GCSS) please refer to www.serva.de/gcss. Promotion is valid until June 30th, 2018

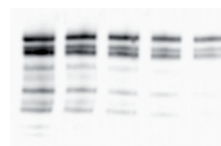
Western Blotting

Xpress Blotting Kit

- Optimized for fast and efficient semi-dry transfer in only 15 min
- Blotting fleece for especially even transfer

- 30%

Cat. no.	Product	Content	Size	Price	Promotion
42661.01	Xpress Blotting Buffer (10x)		1 L	72,00 €	50,40 €
42662.01	Xpress Blotting Kit	Xpress Blotting Buffer (10x), Blotting Fleece (80 mm x 85 mm)	1 Kit (10 gels)	57,00 €	39,90 €
42663.01	Xpress NC Blotting Kit	Xpress Blotting Buffer (10x), Blotting Fleece, NC Sheets (80 x 85 mm, 0.2 µm)	1 Kit (10 gels)	131,00 €	91,70 €
42664.01	Xpress PVDF Blotting Kit	Xpress Blotting Buffer (10x), Blotting Fleece, PVDF Sheets (80 x 85 mm, 0.2 µm)	1 Kit (10 gels)	179,00 €	125,30 €

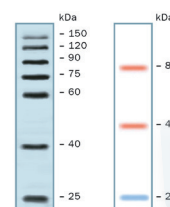


SERVAColor Colorimetric Western Blot Substrates

- High sensitivity, low background
- No significant fading after reaction stop

- 30%

Cat. no.	Product	Size	Price	Promotion
15245.01	SERVAColor BCIP/NBT Blot Solution	250 ml	152,00 €	121,60 €
37071.01	SERVAColor TMB Blot Solution	100 ml	60,00 €	48,00 €
37071.02		250 ml	114,00 €	91,20 €

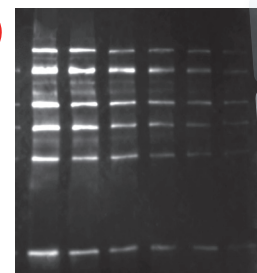


SERVALight HRP Chemiluminescence Kit

- Vega for „standard“ ECL™* applications without protocol change
- Helios for high signal intensity with long signal duration

- 20%

Cat. no.	Product	Size	Price	Promotion
42588.02	SERVALight Vega	250 ml	120,00 €	96,00 €
42588.03		500 ml	187,00 €	149,60 €
42587.01	SERVALight Helios	20 ml	98,00 €	78,40 €
42587.02		100 ml	419,00 €	335,20 €
42587.03		200 ml	668,00 €	534,40 €



* Trademark GE Healthcare

BlueBlot Semi-Dry Blotter

- Platinum covered steel net cathode and anode electrodes for homogeneous protein transfer
- Spring mounted anode for flexible applications
- Exchangeable electrode sets (11 cm x 11 cm and 17 cm x 17 cm)
- Stable acryl housing, device and electrodes are very easy to clean

- 15%

Cat. no.	Product	Blotting area	Size	Price	Promotion
BB-SD11	BlueBlot Semi-Dry Blotter SD11	11 cm x 11 cm	1 Piece	1.685,00 €	1.432,25 €
BB-SD17	BlueBlot Semi-Dry Blotter SD17	17 cm x 17 cm	1 Piece	1.955,00 €	1.661,75 €
BB-SD26	BlueBlot Semi-Dry Blotter SD26	24 cm x 26 cm	1 Piece	2.775,00 €	2.385,75 €



BluePower™ 300 Blot Power Supply analytica 2018 ACHEMA 2018 **NEW!**

- 300 V, 2 A, 300 W
- Western blotting from small up to large-sized gels
- Protein and nucleic acid electrophoresis
- Multiple safety features

Cat. no.	Product	Size	Price	Promotion
BP-300-BLO	BluePower™ 300 Blot Power Supply	1 Piece	1.195,00 €	1.015,75 €



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Fluorescence Dyes in Electrophoresis

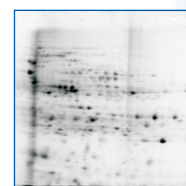
SERVA Lightning Red

- Pre-label your sample for detection without staining/washing after electrophoresis
- SERVA PRiME™ Lightning Red kit for qualitative and quantitative analysis by 1D SDS PAGE
- SERVA HPE™ Lightning Red kit for 2D gel electrophoresis

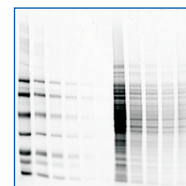
- 20%

Cat. no.	Product	Size	Price	Promotion
43400.01	SERVA HPE™ Lightning Red	1 Kit	249,00 €	199,20 €
43402.01	SERVA PRiME™ Lightning Red	1 Kit	160,00 €	128,00 €

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SERVA HPE™ Lightning Red



SERVA PRiME™ Lightning Red

SERVA Lightning SciDyes

- Pre-label and detect different expression states of your protein samples by 2D gel electrophoresis (DIGE)
- Available as single stains Sci2, Sci3 and Sci5 and a set of all three stains

- 20%

Cat. no.	Product	Size	Price	Promotion
43404.01		5 nmol	155,00 €	124,00 €
43404.02	SERVA Lightning Sci2	10 nmol	230,00 €	184,00 €
43404.03		25 nmol	443,00 €	354,40 €
43405.01		5 nmol	155,00 €	124,00 €
43405.02	SERVA Lightning Sci3	10 nmol	230,00 €	184,00 €
43405.03		25 nmol	443,00 €	354,40 €
43406.01		5 nmol	155,00 €	124,00 €
43406.02	SERVA Lightning Sci5	10 nmol	230,00 €	184,00 €
43406.03		25 nmol	443,00 €	354,40 €
43407.01		5 nmol	420,00 €	336,00 €
43407.02	SERVA Lightning SciDye Set (contains Sci2, Sci3, Sci5)	10 nmol	672,00 €	501,60 €
43407.03		25 nmol	1.195,00 €	956,00 €



SERVA Lightning Sci2



SERVA Lightning Sci3



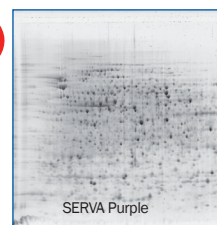
SERVA Lightning Sci5

SERVA Purple

- Fluorescence stain for 2D gel staining at highest sensitivity
- Linear staining over 4 OD units

- 20%

Cat. no.	Product	Size	Price	Promotion
43386.03		5 ml	82,00 €	65,60 €
43386.01	SERVA Purple	25 ml	283,00 €	226,40 €
43386.02		4x 25 ml	1.025,00 €	820,00 €



SERVA Purple

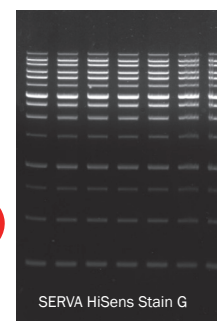
SERVA HiSens Stain G

analytica 2018
ACHEMA 2018 **NEW!**

- Detect up to 0.1 ng/band of DNA or up to 1 ng/band of RNA in gels
- 10,000x stock solution, optimized for in gel-staining
- Detect with UV (312 nm) or blue light (470 nm)

- 20%

Cat. no.	Product	Size	Price	Promotion
39805.01	SERVA HiSens Clear G	500 µl	67,00 €	53,60 €



SERVA HiSens Stain G

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Protein Electrophoresis

Acrylamide Solutions

- Constant quality for constant results
- No weighing of toxic powder

- 30%

Cat. no.	Product	Size	Price	Promotion
10687.02	Acrylamide/Bis Solution 29:1 (30 % w/v), 3.3 % C	4x 500 ml	96,00 €	67,20 €
10688.02	Acrylamide/Bis Solution 37.5:1 (30 % w/v), 2.6 % C	4x 500 ml	96,00 €	67,20 €
10680.02	Acrylamide/Bis Solution 29:1 (40 % w/v), 3.3 % C	4x 500 ml	103,00 €	72,10 €
10681.02	Acrylamide/Bis Solution 37.5:1 (40 % w/v), 2.6 % C	4x 500 ml	103,00 €	72,10 €



SDS in Pellets

- Dust-free weighing of SDS due to pellet form
- For electrophoresis and many other applications

- 30%

Cat. no.	Product	Size	Price	Promotion
20765.03	Dodecylsulfate-Na-Salt in Pellets	1 kg	64,00 €	44,80 €

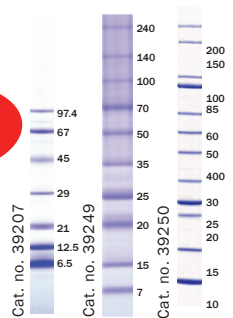


Unstained Protein Standards for SDS PAGE

- Ready-to-use
- For precise determination of molecular weight (MW)

- 30%

Cat. no.	Product	Range	Size	Price	Promotion
39207.01	Protein Test Mixture 6 for SDS PAGE*	6.5 kDa – 97.4 kDa (7)	10 mg	53,00 €	37,10 €
39249.01	SERVA Unstained Protein Standard III	7 kDa – 240 kDa (10)	500 µl	143,00 €	100,10 €
39250.01	SERVA Unstained Protein Standard IV	10 kDa – 200 kDa (12)	500 µl	98,00 €	68,60 €



*=lyophilized

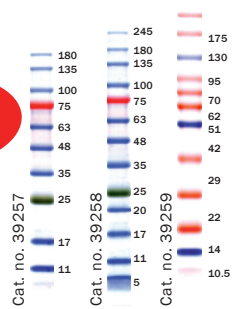
analytica 2018 **NEW!**
ACHEMA 2018

Pre-Stained Protein Standards for SDS PAGE

- Ready-to-use
- Visible in gel run and on Western blot

- 30%

Cat. no.	Product	Range	Size	Price	Promotion
39257.01	SERVA TripleColor Protein Standard II	11 kDa – 180 kDa (10)	500 µl	139,00 €	97,30 €
39258.01	SERVA TripleColor Protein Standard III	5 kDa – 245 kDa (13)	500 µl	139,00 €	97,30 €
39259.01	SERVA Pink Color Protein Standard II	10.5 kDa – 175 kDa (11)	500 µl	139,00 €	97,30 €

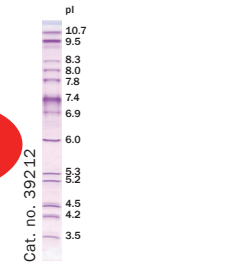


Unstained Protein Standards for Isoelectric Focusing (IEF)

- Ready-to-use
- For precise determination of isoelectric point (pI)

- 30%

Cat. no.	Product	Range	Size	Price	Promotion
39212.01	IEF Marker 3 – 10, Liquid Mix	pI 3.5 – 10.65	500 µl	105,00 €	73,50 €

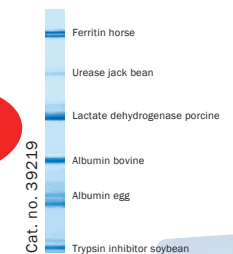


Unstained Protein Standards for Native PAGE

- Ready-to-use
- For BlueNative and ClearNative electrophoresis

- 30%

Kat.-Nr.	Produkt	Range	Size	Price	Promotion
39219.01	SERVA Native Marker, Liquid Mix für BN/CN	21 kDa – 720 kDa (7)	5x 50 µl	146,00 €	102,20 €



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DNA/RNA Electrophoresis

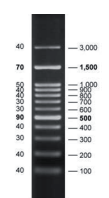
SERVA TBE Clear G Agarose Tablets

analytica 2018
ACHEMA2018 **NEW!**

- Contains agarose, buffer and fluorescence stain – dissolve, heat, cast and ready
- Optimized mixture for highest resolution and sensitivity

- 30%

Cat. no.	Product	Size	Price	Promotion
39806.01	SERVA TBE Clear G Agarose Tablets	75 Tablets	148,00 €	103,60 €



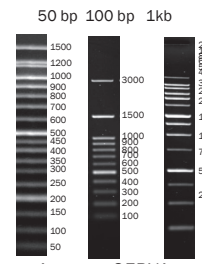
1 % Agarose gel,
100 bp Ladder

Agarose SERVA Wide Range

- Ultrapure agarose for high resolution separation of DNA and RNA
- Gels of high clarity and low background

- 40%

Cat. no.	Product	Size	Price	Promotion
11406.01		250 g	101,00 €	60,60 €
11406.02	Agarose SERVA Wide Range	500 g	180,00 €	108,00 €
11406.03		1 kg	345,00 €	207,00 €



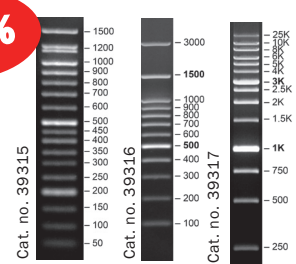
Agarose SERVA
Wide Range
Cat. no. 11406

SERVA FastLoad DNA Ladders

- Includes mass/DNA band for easy quantification analysis
- Stable for 6 months at 25 °C, for 12 months at 4 °C, long term storage at - 20 °C

- 30%

Cat. no.	Product	Range	Size	Price	Promotion
39315.01	SERVA FastLoad 50 bp DNA Ladder	50 bp – 1.500 bp (17)	500 µl	56,00 €	39,20 €
39316.01	SERVA FastLoad 100 bp DNA Ladder	100 bp – 3.000 bp (12)	500 µl	56,00 €	39,20 €
39317.01	SERVA FastLoad 1 kb DNA Ladder	250 bp – 25.000 bp (14)	500 µl	56,00 €	39,20 €

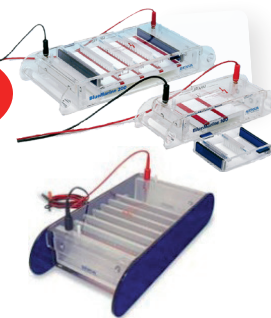


BlueMarine™ Submarine Gel Chamber

- Longlasting, stable gel tanks made from acryl
- Includes gel trays and combs

- 20%

Cat. no.	Product	Gel format	Samples, max.	Size	Price	Promotion
BM-100	BlueMarine™ 100	7 cm x 10 cm	28	1 Piece	485,00 €	388,00 €
BM-200	BlueMarine™ 200	15 cm x 15 cm and 15 cm x 20 cm	124	1 Piece	725,00 €	580,00 €
BM-HTS	BlueMarine™ HTS	17.5 cm x 19.2 cm	102	1 Piece	1.095,00 €	876,00 €



SERVA Blue-White Light Table

analytica 2018
ACHEMA2018 **NEW!**

- White light LED table for Coomassie® stained protein gels etc.
- 470 nm LEDs to detect fluorescence stained nucleic acids and proteins
- For gel sizes up to 12 cm x 18 cm

- 20%

Cat. no.	Product	Size	Price	Promotion
BWL-T	SERVA Blue-White Light Table	1 Piece	545,00 €	436,00 €

