

Devices



Electrophoresis Systems & Laboratory Equipment

Vertical Electrophoresis

Horizontal Electrophoresis

Automated Staining Device

Submarine Electrophoresis

Power Supplies

Blotting Apparatus

Gel Documentation and Analysis

IQ/OQ/PQ

SERVA Serving Scientists

Offering a portfolio of more than 2,500 products, SERVA Electrophoresis is a global leader in providing innovative solutions and technical support to life scientists in academic research and commercial organizations. Our products help to proceed in the laboratory and to simplify the day-to-day work flow for researchers – a comprehensive assortment covering cellular and protein analysis, biochemistry, enzymology, microbiology, microscopy, bioseparation and more.

SERVA Serving Scientists – technical competence and total quality management are our basis for continuous improvement and service. Our policy is to pursue the highest standards in product quality, workplace safety and responsibility for the environment we live in. We dedicate expertise and integrity to guarantee consistent product performance and continuity of supply. SERVA is ISO 9001:2015 certified.



Electrophoresis Made by SERVA

SERVA holds significant intellectual property – electrophoresis specialities are developed and produced at site in Heidelberg, Germany. SERVA is well known for our ampholytes (SERVALYT™) and the wide range of precast gels for vertical and horizontal operation. Proprietary production processes and chemistries continue to be designed and implemented, fueled by many years of expertise to provide unique quality products.

Complimentary to the reagent line, SERVA offers the unique range of BlueLine instrumentation – equipment of high-end quality to deliver best performance: the PRiME™ electrophoresis tank and the submarine units, blotters, power supplies, gel documentation system and our unique HPE™ flat bed single- and multilevel systems – outstanding separation results are achieved in combination with SERVA's film-based horizontal precast gels for 1D and 2D gel electrophoresis.



Trust in SERVA as a competent partner with many years of experience in development of solutions for your laboratory.

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BlueVertical™ PRiME™

- high quality mini gel tank system

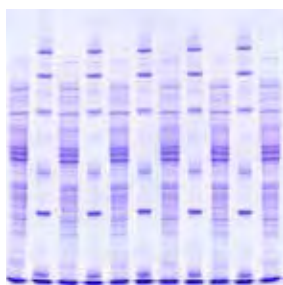
The BlueVertical™ PRiME™ electrophoresis chamber is a perfect instrument for vertical mini gel electrophoresis of proteins and nucleic acids. When applied in combination with SERVAGel™ precast gels „Premium Resolution in Minigel Electrophoresis (=PRiME™)“ is guaranteed. The BlueVertical™ PRiME™ electrophoresis mini tank system has been developed to

run precast gels in SDS PAGE, native PAGE, IEF or nucleic acid PAGE applications. The unique innovative clamp system keeps the gel cassettes in their correct position at the inner core running module, leak-free and ready to start within seconds. Built-in convenient operation features result in improved daily work.

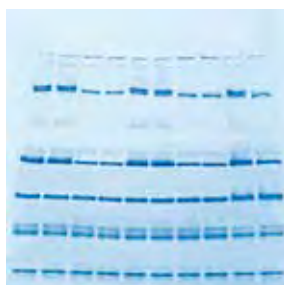


- Dual mini tank system
- Accommodates 1 – 2 gels in cassettes with outer dimensions of 10 cm x 10 cm x 0.7 cm
- Leak-free inner core unit with a unique clamp system
- Gel Casting Stand for casting two gels
- Unique, easy-to-handle blotting insert for tank blotting
- Quality designed and made in Germany

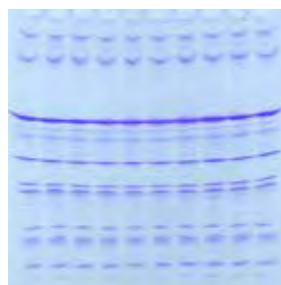
BlueVertical™ PRiME™ is a highly developed instrument for versatile applications in vertical electrophoresis of proteins and nucleic acids:



SDS PAGE



Native PAGE



Isoelectric Focusing



DNA/RNA PAGE

**BlueVertical™ PRiME™ – the perfect vertical electrophoresis system
for premium resolution in mini gel electrophoresis**



1.



2.

Convenient and easy to operate

It is fast and simple to run two slab gels in parallel using the BlueVertical™ PRiME™. Unpack the SERVAGe™ PRiME™ precast gel, put it into the inner core unit (1.) and simply close the clamps (2.). You will hear a soft „click“ – the gel is firmly positioned, leak-free. The locating pegs of the inner core unit will ensure that the unit is placed correctly into the buffer tank. Load your samples, close the safety lid. It will fit in one orientation only – this ensures right and safe connection to the power supply.



BlueVertical™ PRiME™ Blot Module

- Very gentle and highly efficient transfer of even large proteins
- Fits directly into your BlueVertical™ PRiME™ chamber
- Easy handling without clamps, no frail hinges
- Also available as complete system BlueVertical™ PRiME™ TankBlot for SERVAGe™ precast gels



BlueVertical™ PRiME™ Casting Stand

- Innovative design for leakless pouring of gels
- For one or two mini gels
- Combs and glass plates with adhered spacers (1.0 mm and 1.5 mm) are available separately

Product	Size	Cat. no.
BlueVertical™ PRiME™	1 unit	BV 104
Dummy Plate	1 unit	BV 104-7
BlueVertical™ PRiME™ Blot Module	1 unit	BV-104-B
BlueVertical™ PRiME™ Casting Stand	1 unit	BV-104-CS
BlueVertical™ PRiME™ TankBlot	1 unit	BV-104-TB

HPE™ BlueHorizon™

- optimized performance in cooled flatbed gel electrophoresis

The HPE™ BlueHorizon™ is a flatbed system for horizontal electrophoresis using precast gels, self-cast gels and gel strips. Main applications are isoelectric focusing (IEF), including the run of IPG strips (like SERVA IPG *BlueStrips*) in 2D PAGE, and SDS PAGE, but also the separation of nucleic acids in polyacrylamide gels.

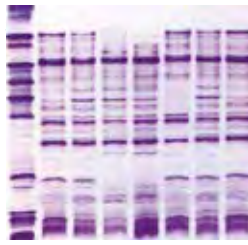


The HPE™ BlueHorizon™ is a very flexible system that could easily be extended to a two-, three- or four-deck system, still under the control of one power supply and one chiller. Stabilizing feet and clamps are available.

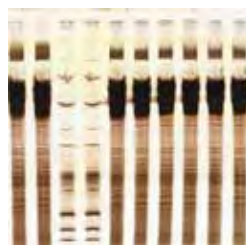
- Highly sophisticated flatbed system for horizontal electrophoresis
- High capacity cooling plate for highest resolution and band sharpness
- Suitable for flatbed gels up to 260 mm x 205 mm
- For 1D and 2D SDS PAGE, for high voltage applications like IEF
- Wide range of horizontal precast gels available
- Platinized electrodes with variable spacing - depending on the application
- Samples easy to load, low buffer consumption
- Stackable, up to four units under the control of one power supply and one chiller
- Stable metal housing and integrated drawer
- Smart design – made in Germany

HPE™ BlueHorizon™ – a highly sophisticated instrument to run horizontal gels under reliable temperature control

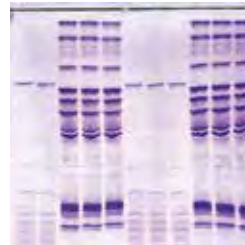
HPE™ BlueHorizon™ is a highly developed instrument for versatile applications in horizontal electrophoresis of proteins and nucleic acids:



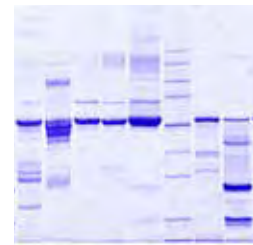
Native IEF on PRECOTES™



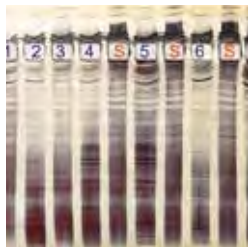
Native IEF on FocusGel



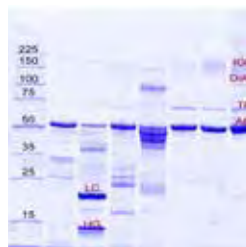
Denaturing IEF on Blank PRECOTES™



SDS PAGE on CleanGel



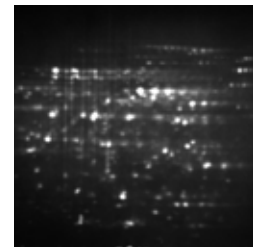
Serum/CSF analysis



Urinary protein analysis



2D HPE™ Large Gel



2D HPE™ BlotGel

Specifications

Voltage (max.)	3000 V
Current (max.)	25 mA
Maximum gel size	260 x 205 mm
Electrode distances	From 270 mm down to 115 mm
Temperature operating range	4 °C to 30 °C
Dimensions (WxHxD)	450 x 120 x 500 mm
Weight	6 kg

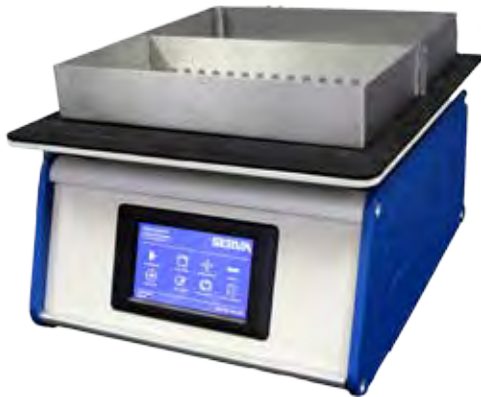
Product	Size	Cat. no.
HPE™ BlueHorizon™	1 unit	HPE-BH
BluePower™ 3000 HPE™ Power Supply	1 unit	BP-3000-HPE
HPE™ Cooling Unit (Chiller)	1 unit	HPE-CU1
HPE™ BlueHorizon™ PS (HPE™ BlueHorizon™ + 3000 HPE™ Power Supply)	1 system	HPE-BHP
HPE™ BlueHorizon™ C (HPE™ BlueHorizon™ + HPE™ Cooling Unit)	1 system	HPE-BHC
HPE™ BlueHorizon™ System (HPE™ BlueHorizon™ + BluePower™ 3000 HPE™ Power Supply + HPE™ Cooling Unit)	1 system	HPE-BHSYS
HPE™ BlueHorizon™ Double Deck	1 unit	HPE-BHD
HPE™ BlueHorizon™ Triple Deck	1 unit	HPE-BHT
HPE™ BlueHorizon™ Quadra Deck	1 unit	HPE-BHQ
Stabilizing Feet, for HPE-BH	1 pair of 2	HPE-SF
Stabilizing Clamps, for HPE-BH	1 pair of 2	HPE-SC

SERVA BlueStain

Next-Level Automated Gel Staining

The new SERVA BlueStain gel stainer stains all gels and membranes – fully automated, accurate and reproducible. It applies for all 1D SDS and native PAGE, 2D and IEF gels.

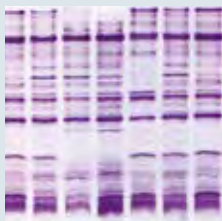
As an indispensable tool in research and diagnostic the device is suitable for the whole range of currently used staining methods.



- Stains all gels and membranes - accurate and reproducible
- For 1D SDS and native PAGE, 2D and IEF gels, DNA gels
- Suitable for the whole range of currently applied staining methods
- Indispensable tool in research and diagnostics
- Ask for standard or customized staining solutions and reagents

BlueStain Design: Flexible, Precise, Innovative

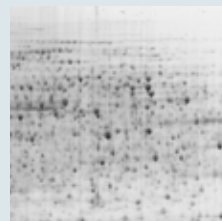
- Supplies up to 10 liquids in volumes up to 500 ml each
- For short or long time incubations – even over night
- Maintenance-free, quiet mechanics for moving the staining platform
- Easy access to all in- and outlets
- Spare part kit is available, containing tubes, connectors etc.



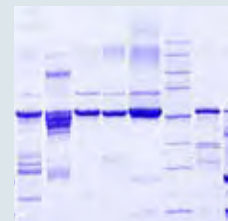
Violet 17 staining



Silver staining



Fluorescence staining



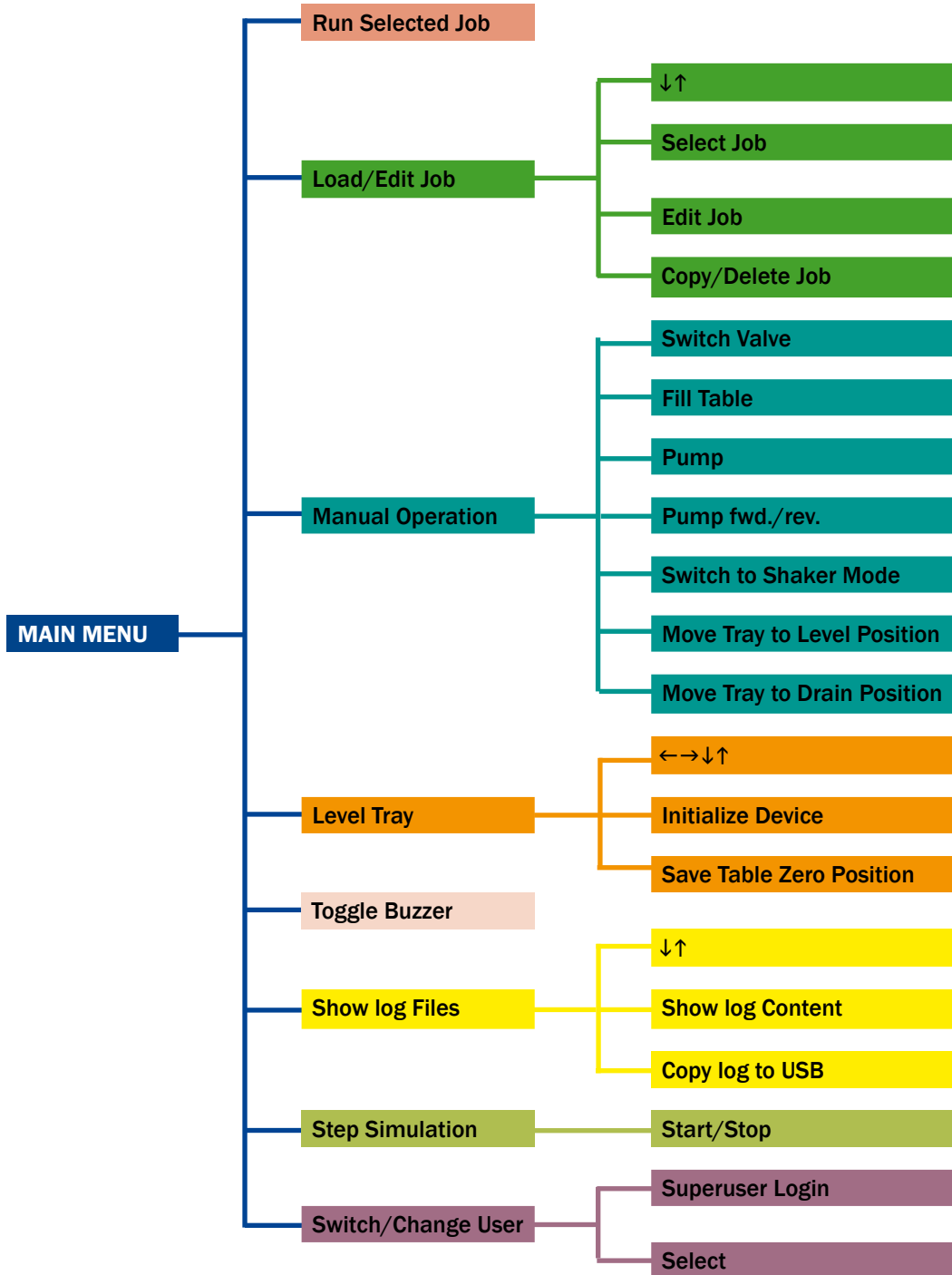
Coomassie staining

SERVA BlueStain Pharma Edition

In addition to the regular model, the unit is also available as “Pharma Edition”. In this version, the unit is password-protected. The

SERVA BlueStain Pharma Edition comes with a thermal printer for your documentation. Additionally IQ/OQ is included.

Program structure of SERVA BlueStain



Specifications

Number of programs	12
Inclination of table	4°
Maximum gel size	30 cm x 25 cm
Size touch screen panel)	5" (800 x 480 px)
Power connection	240 V, 150 W max.
Size (h x w x d)	39 cm x 17.5 cm x 41 cm
Weight	6 kg

Product	Size	Cat. no.
SERVA BlueStain	1 unit	BST-01
SERVA BlueStain Pharma Upgrade Kit	1 unit	BST-PU
SERVA BlueStain Spare Part Kit	1 kit	BST-R01

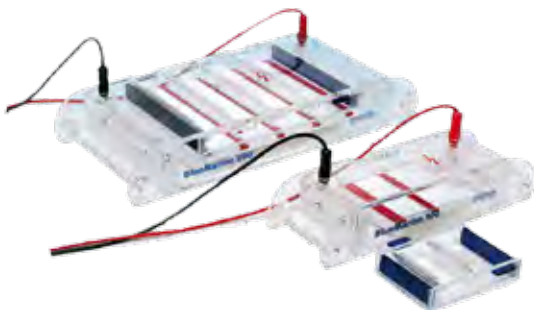
BlueMarine™

- robust submarine chamber for agarose gel electrophoresis

The BlueMarine™ electrophoresis units are applied to separation of nucleic acids in agarose gels. Most common applications are rapid screening of PCR fragments, analysis of restriction digests and plasmid preparations, checking *in vitro* transcripts etc.

BlueMarine™ units are designed for safe and easy handling and feature a rugged, most

durable acrylic construction, ensuring a longevity. Double insulated cables are rated safe up to 3000 volts. Gold plated electrical connectors are corrosion-free. The recessed power connectors are integrated into the safety lid. The new designed platinum electrodes can be easily replaced by the user.



BlueMarine™ 100/200

- Robust acrylic construction
- UV transparent gel trays
- Casting gates for leak-free gel pouring
- Red contrasting strips for easy sample loading
- Broad range of accessories available
- Smart design – made in Germany



BlueMarine™ HTS

- Innovative system for high-throughput analysis
- Includes 6 aluminium combs with 17 sample wells each
- Includes 2 gel casting gates for leak-free gel casting
- For 102 samples, separation distance max. 6 cm
- For long runs of 17 single samples, distance max. 18 cm

BlueMarine™: Accessories

Combs	Gel Trays	Casting Gates	Electrodes
<ul style="list-style-type: none"> ■ Variety of combs for all purposes ■ For single- and multi-channel pipette ■ For analytical and preparative applications 	<ul style="list-style-type: none"> ■ UV transparent ■ With lifting aids to avoid contact with buffer ■ Gels can be casted and run in the same tray 	<ul style="list-style-type: none"> ■ Leak-free system ■ Insert the gasket into the tray and pour the gel ■ No extra sealing or taping step required 	<ul style="list-style-type: none"> ■ Easy to clean ■ Fast replacement if necessary

Submarine Agarose Gel Electrophoresis – SERVA offers a complete solution: instruments, agarose gel media, buffers, stains and standards.

Accessories

Product	Number of wells	Thickness of comb (mm)	Width of well (mm)	Application	Cat. no.
Comb for BM-100 Depth of well: 10 mm each	8	1.0	6.0	single pipette, analytical	BM-100-8-1.0
	8	1.5	6.0		BM-100-8-1.5
	12	1.0	3.7		BM-100-12-1.0
	12	1.5	3.7		BM-100-12-1.5
	12	2.0	3.7		BM-100-12-2.0
	14	1.5	3.0		BM-100-14-1.5
	14	2.0	3.0		BM-100-14-2.0
	15	0.75	2.7		BM-100-15-0.75
Comb for BM-200 Depth of well: 10 mm each	10	1.0	12	single pipette, analytical	BM-200-10-1.0
	10	1.5	12		BM-200-10-1.5
	10	2.0	12		BM-200-10-2.0
	16	1.0	7		BM-200-16-1.0
	16	1.5	7		BM-200-16-1.5
	16	2.0	7		BM-200-16-2.0
	20	1.0	5		BM-200-20-1.0
	20	1.5	5		BM-200-20-1.5
	20	2.0	5		BM-200-20-2.0
	26	1.0	4	BM-200-26-1.0	
	26	1.5	4	BM-200-26-1.5	
	26	2.0	4	BM-200-26-2.0	
	26	1.0	4	multi-channel pipette, analytical	BM-200-M26-1.0
	26	1.5	4		BM-200-M26-1.5
	26	2.0	4		BM-200-M26-2.0
Gel tray				7 cm x 7 cm	BM-100-21
				15 cm x 15 cm	BM-200-15-2
				15 cm x 20 cm	BM-200-20-2
Gel casting gates				for BM-100	BM-100-3
				for BM-200	BM-200-3
Replacement electrode				for BM-100	BM-100-RE
				for BM-200	BM-200-RE

Specifications

	BlueMarine™ 100	BlueMarine™ 200	BlueMarine™ HTS
Voltage (max)	300 V	500 V	500 V
Current (max)	200 mA	300 mA	300 mA
Gel format	7 x 10 cm	15 x 15 cm; 15 x 20 cm	17.5 x 19.2 cm
Approx. gel volume (5 mm)	35 ml	115 ml; 150 ml	160 ml
Comb positions	2	4	6
Maximum sample number	28	124	102
Electrode distance	180 mm	285 mm	285 mm
Volts per cm	14 - 140 V	20 - 200 V	20 - 200 V
Dimensions (WxHxD)	95 x 80 x 290 mm	175 x 95 x 390 mm	195 x 80 x 380 mm
Weight	0.8 kg	1.6 kg	3.5 kg

Product	Size	Cat. no.
BlueMarine™ 100	1 unit	BM-100
BlueMarine™ 200	1 unit	BM-200
BlueMarine™ HTS	1 unit	BM-HTS

BluePower™ Power Supplies

- the force that drives your gel

Different power supplies are needed to cover the large variety of separations such as SDS and native PAGE electrophoresis of proteins, DNA electrophoresis in agarose and PAGE gels, isoelectric focusing, 2D gel electrophoresis and electrotransfer of biomolecules e.g. Southern-, Northern- and Western-Blotting.

All SERVA BluePower™ power supplies are fully programmable, easy-to-use, safe and reliable. They are fully overload-protected including short-circuit of outputs: an automatic poweroff function stops the voltage when ground leakage is detected.



- Programmable power supplies, 9 programs each up to 9 steps
- Parameter change without interrupting the run
- Data logging with real time clock
- Data transfer via computer (USB connection)
- Constant V, mA or W, with automatic cross-over function
- Vh integrator for maximum reproducibility of difficult runs
- Voltage ramp mode for a linear voltage gradient

Selection Guide

Model	BluePower™ 400 Marine	BluePower™ 600 PRIME™	BluePower™ 300 BLOT	BluePower™ 3000 HPE™	BluePower™ 6000 IPG
SDS PAGE	●	●	●	●	●
Native PAGE	●	●	●	●	●
Blotting (mini gel)	●	●	●	●	●
Blotting (large size)	●	●	●	●	●
Submarine	●	●	●	●	●
IEF (horizontal)	●	●	●	●	●
IEF (vertical)	●	●	●	●	●
2D (horizontal)	●	●	●	●	●
2D (vertical)	●	●	●	●	●
IPG Strip Focusing	●	●	●	●	●

● = best choice ● = suited ● = not suited/limited suited

* not valid for BluePower™ 400 Marine Power Supply

BluePower™ 400 Marine Power Supply

Serves many applications like submarine electrophoresis of nucleic acid agarose gels and SDS PAGE in mini gel format.

BluePower™ 600 PRiME™ Power Supply

The allround instrument serving many applications, e.g., SDS PAGE, submarine electrophoresis and blotting. The BP-600-PRiME™ is particularly advised for operation of up to four vertical slab gel units run at higher voltage, also resulting in shorter running times and for blotting.

BluePower™ 300 Blot Power Supply

This power supply is made for applications requiring high current like tank blotting or semi-dry blotting of larger protein gels. It is also compatible with separation of nucleic acids.

BluePower™ 3000 HPE™ Power Supply

Designed for high voltage applications like isoelectric focusing, horizontal 2D gel electrophoresis. It comes with a special mode for low current applications such as IEF: the power supply can measure currents as slow as 10 microAmps and keep its voltage constant at even 0 current. Other applications like SDS PAGE and submarine electrophoresis can be performed as well.

BluePower™ 6000 IPG Power Supply

Best suited for high voltage applications like isoelectric focusing in IPG strips. It comes with a special mode for low current applications such as IEF: the power supply can measure currents as slow as 10 microAmps and keep its voltage constant at even 0 current. Other applications like SDS PAGE and submarine electrophoresis can be performed as well.

Specifications

	Power Supply	BluePower™ 400 Marine	BluePower™ 600 PRiME™	BluePower™ 300 BLOT	BluePower™ 3000 HPE™	BluePower™ 6000 IPG
	Regulation	const. Voltage / const. current/ const. power / programming				
Load End	Voltage	0 V – 400 V	0 V – 600 V	0 V – 300 V	0 V – 3000 V	0 V – 6000 V
	Current	0 mA – 500 mA	0 mA – 1000 mA	0 mA – 2000 mA	0 mA – 20 mA (LCu) 0 mA – 200 mA (HCu)	0 mA – 10 mA (LCu) 0 mA – 100 mA (HCu)
	Power	0 W – 50 W	0 W – 300 W	0 W – 300 W	0 W – 300 W	0 W – 300 W
Resolution	Voltage	1 V	1 V	1 V	1 V	1 V
	Current	1 mA	1 mA	1 mA	0.1 mA (LCu) 1 mA (HCu)	0.1 mA (LCu) 1 mA (HCu)
	Power	1 W	1 W	1 W	0.1 W (LCu) 1 W (HCu)	0.1 W (LCu) 1 W (HCu)
Measurement Resolution	Voltage	1 V	1 V	1 V	1 V	1 V
	Current	1 mA	0.1 mA	1 mA	0.01 mA (LCu) 0.1 mA (HCu)	0.01 mA (LCu) 0.1 mA (HCu)
	Power	0.1 W	0.1 W	1 W	0.01 W (LCu) 0.1 W (HCu)	0.01 W (LCu) 0.1 W (HCu)
	Voltage	200 V – 260 V, 50/60 Hz , Optional: 90 V – 130 V, 50/60 Hz				
	Temperature	0 °C – 40 °C				
	Humidity	0 % – 95 %				
	Security Measures	Ground leakage detection / Overload detection / No load detection				
	Outlets	4x 2				
	Dimensions	163 mm x 300 mm x 307 mm				
	Cat. no.	BP-400-MAR	BP-600-PRI	BP-300-BLO	BP-3000-HPE	BP-6000-IPG

SERVA BlueBlot SD

- For fast and gentle electrotransfer of proteins

The BlueBlot semi-dry blotter forms a homogeneous electrical field that guarantees fast and efficient transfer of proteins from gel to membrane. As associated with semi-dry blotting compared to tank blotting less heat is generated for gentle protein transfer. It is fast and requires less buffer. By applying the Xpress

blotting buffer (cat. no. 42662) semi-dry transfer of high and low molecular weight proteins is done fast and efficient within 15 minutes. Moreover, all common continuous and discontinuous buffer systems can be applied without any limitations.



- For mini gels up to large format 2D gels with blotting area
 - | 11 cm x 11 cm
 - | 17 cm x 17 cm
 - | 24 cm x 26 cm
- Spring-mounted anode for blotting thicker gels or blotting stacks
- Platinum-covered steel net as anode
- Stainless steel plate as cathode
- The separately available 11 cm and 17 cm electrodes can be used alternately in the same housing
- Stable acrylic housing, easy to clean

Product	Size	Cat. no.
BlueBlot Semi-Dry Blotter SD11	1 unit	BB-SD11
BlueBlot Semi-Dry Blotter SD17	1 unit	BB-SD17
BlueBlot Semi-Dry Blotter SD26	1 unit	BB-SD26
BlueBlot Electrode Set for BB-SD11	1 set	BB-E11
BlueBlot Electrode Set for BB-SD17	1 set	BB-E17

Digital Imaging and Analysis System III

- fast and convenient gel documentation

The Digital Imaging and Analysis System III from SERVA is the ideal solution to master the daily tasks of documentation and 1D gel analysis in the routine laboratory work. Solid hardware including a digital SLR camera and easy-to-grasp software are combined to provide an excellent tool to meet your needs. UV- and white-light transilluminator or epi- white-light are optional.



- For UV-, blue- and white-light applications like SERVA DNA Stain Clear G, EtBr, Silver, Coomassie® etc.
- Includes
 - | darkroom cabinet
 - | digital camera
 - | UV filter/holder
- Optional available:
 - | UV-, white and blue light transilluminator
 - | epi-white light
 - | Labimage Analysis Software (p. 17)
 - | Laptop
- Stable metal housing
- Large door for easy gel handling
- WxHxD: 420 x 550 x 520 mm; weight: 12 kg

Product	Description	Size	Cat. no.
Digital Imaging and Analysis System III, basic	Incl. cabinet, camera and UV-Filterholder and -filter	1 unit	DIAS-III-B
SERVA UV-Table C II	312 nm, 22 x 28 cm	1 unit	UV-CII
SERVA WL-Table	White light, 22 x 28 cm	1 unit	WL-28
White Light Top Light	2 wall elements	1 set	WL-III

Bio-5000 Plus VIS Gel Scanner

- For SDS PAGE gels, Western Blots etc.

With resolution that reaches up to 4800 pixels per inch, the Bio-5000 Plus can surely present scanned images of the light area in incredibly crystal clear, accurate, and very detailed ways. Also, it is capable of delivering full 48-bit depth color for richer and smoother tonal values, and a minimum density of 0.05D allows users to cap-

ture details in light areas, as well as accurately represent gradation from originals without sacrificing details of the image. Scanned images are best suited for documentation, MW and pI-Determination, quantification, etc. On request, SERVA can deliver full CFR Part 11 compatibility (in combination with Labimage software, p. 16)



- Energy-saving LED light source
- CCD Flatbed Scanner
- Delivers accurate images for both dry and wet gel samples
- 0.05D ~3.7D, 3.77 Dmax
- Mechanism designed of Microtek patented E.D.I.T. technology

Specifications

Scanning Modes	48-bit-color, 16-bit grayscale (internal/external)
Scanning Area	Reflective: max. 216 mm x 356 mm Transparency: max. 203 mm x 254 mm
Resolution	Optical: 4800 dpi (5 µm spot size; 94 lp/mm); Hardware: Up to 4800 x 9600 dpi Default: 300 dpi
Interface	Hi-Speed USB (USB 2.0)
Light Source	LED
Dimension	567 mm x 385 mm x 158 mm (L x W x H)
Weight	12 kg
Voltage	AC 100 V to 240 V; 50 - 60 Hz

Product	Size	Cat. no.
Bio-5000 Plus VIS Gel Scanner	1 unit	BIO-5000P

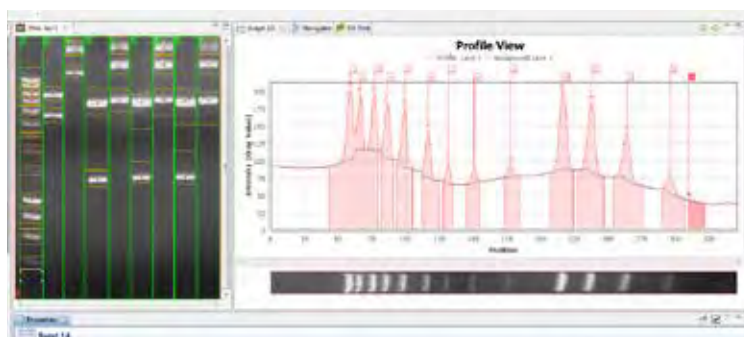
LabImage 1D Gel Analysis Software

- your tool in 1D gel analysis

LabImage 1D L-320 is the basic version for standard 1D analysis of protein and nucleic acid gels. It allows import of common image types or import of images from scanner or camera, automatic lane and band detection, manual lane and band correction, calculation of MW, Rf, area, band volume, background reduction, creation of own MW or pI standard as well

as multiple standards for one gel and has many different report and export functions.

The L-340 version includes grimage correction, Rf calibration and correction of multiple standards, can normalize not only single band but group of bands and has an additional export report to RFT and XLS. An additional module allows FDA 21 CFR Part 11 compliance.



- Full 16 bit image processing
- Intuitive User Interface/Workflow
- Runs under Windows, Mac OS X, Linux
- Compliant with FDA21 CFR part 11 (module required)
- As single and network license available

Product	Description	Size	Cat. no.
LabImage 1D L-320 Gel Analysis for academic	Single license	1 unit	LI-320-A
LabImage 1D L-320 Gel Analysis for corporate	Single license	1 unit	LI-320-C
LabImage 1D L-340 Gel Analysis for academic	Single license	1 unit	LI-340-A
LabImage 1D L-340 Gel Analysis for corporate	Single license	1 unit	LI-340-C
LabImage 1D L-360 Gel Analysis for academic	Single license	1 unit	L-360-A
LabImage 1D L-360 Gel Analysis for corporate	Single license	1 unit	L-360-C
SERVA UV-Table C II	312 nm, 22 x 28 cm	1 unit	UV-CII
SERVA WL-Table	White light, 22 x 28 cm	1 unit	WL-28
White Light Top Light	2 wall elements	1 set	WL-III

SERVA BlueCube

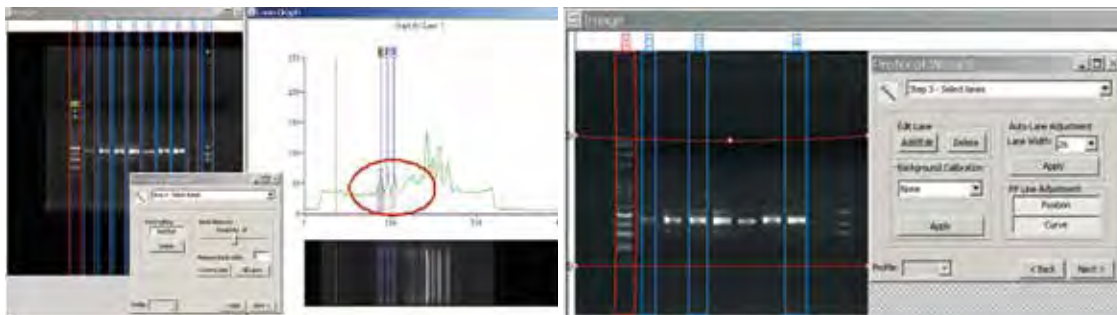
- a compact DNA gel documentation system

The SERVA BlueCube 300 is a compact documentation system for capturing SERVA DNA Stain Clear G and EtBr stained nucleic acids separated in agarose and acrylamide gels. Detection of proteins stained with Fluo-Y is also an option. The BlueCube is equipped with a CMOS sensor, a two filter system, an UV filter

(diameter: 25 mm) and an UV table drawer (312 nm, filter size is 180 x 140 mm). A magnetic protection shield for safe handling of the gel (e.g. when cutting out gel bands) is included as well. It is a compact instrument of 30 cm (W) x 26 cm (D) x 23.5 (H) cm and a weight of 10.4 kg, only.



- Compact and economical gel documentation system with small footprint
- LED indicator when instrument is powered on and connected to a PC or laptop
- Automatic UV light shut-off when drawer is opened
- View and analyze gels with bundled software
- Cost efficient - high performance and easy handling system at low price



The image capture and 1D analysis software „GelView 1D Gel Image Analysis Software“ is included with the SERVA BlueCube 300/300L.

Product	Size	Cat. no.
SERVA BlueCube 300	1 unit	BC-300
SERVA BlueCube 300L	1 unit	BC-300L

IQ/OQ/PQ in Electrophoresis

- Certified separation

IQ/OQ/PQ is important

In quality and in-process control as well as research and development departments in biotechnological, diagnostic or other companies, it is becoming increasingly important to separate proteins and nucleic acids reproducibly using

electrophoretic methods. This requires documented quality assurance both at installation (IQ) and operation of devices (OQ) as well as annual re-qualification (PQ).

SERVA Certified

Installation Quality

- Check packing list
- Full Installation
- Check Installation
- Operator briefing
- Documentation
- DIN EN ISO/IEC 17025

SERVA Certified

Operational Quality

- 3 Reference runs
- Test run
- Documentation
- DIN EN ISO/IEC 17025

SERVA Certified

Performance Quality

- Service Contract
- Cleaning
- Maintenance
- Repair
- Re-Qualification
- DIN EN ISO/IEC 17025

Full service

Prior to shipment of devices, e.g. HPE™ Blue-Horizon™ flatbed system, we perform 3 independent electrophoresis experiments per application as the master of reference. A qualified SERVA specialist performs the installation (IQ) and the test run (OQ) using SERVA reagents and

gels from the same batch. On an annual basis, a qualified specialist of SERVA checks the device, repeats the separation as qualification test, using reagents and gels which are traceable by lot number (PQ).

IQ/OQ/PQ of electrophoresis equipment and applied methods (IEF, SDS PAGE, 2D PAGE) may be of particular importance when applied to one of the following:

- Characterization/separation of recombinant antibodies
- Characterization/separation of therapeutic proteins
- HCP analysis and blotting





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