

PerfectBlue™



Gel Electrophoresis and Blotting Systems

peqlab 

Creating the future together.

PerfectBlue™

Horizontal Gel Systems



Corrosion-free gold-plated banana plugs



Corrosion-protected electrode junctions



Safety lid offers protection against electric shock



Venting slot helps avoid water condensation

Quality of Results

- Fixed, corrosion-protected platinum electrodes for electrical field uniformity
- Slip resistant gel tray ensures straight banding and maximum run reliability

Excellent Workmanship

- Exclusive use of high-quality materials, for excellent separation results even after long-term use
- Minimal manufacturing tolerances due to CNC milling technology
- Robust construction through the use of 6 mm acrylic glass

Convenient Handling

- Easy-to-use casting systems – quick and leak-free casting of gels without the need for manual sealing
- Labeled combs for easy identification of comb type
- Rounded-off corners for comfortable handling
- Nonskid rubber feet

Flexibility

- The largest selection of chambers and accessories
- You decide on which combs are supplied with your system
- All systems are shipped ready-to-use with all accessories needed

Safety Features

- Safety lid and recessed connectors offer protection against electric shock
- Manufactured in concordance with CE guidelines

All systems come with a three-year warranty!

3-year
warranty



Wide format systems - ideal for material and space saving high throughput separations



'Revolution' systems avoiding pH and ionic gradients during extended runs.



Casting dams for casting smaller gels on large gel trays

Minigel Systems



Mini L

Ideally suited for low to medium sample throughput. Compact design for the daily needs of the research laboratory.

Convenient Handling

- Easy-to-use casting system – gel casting directly in the chamber by 90 degree rotation of the rubber-seal-equipped gel tray
- Fluorescent ruler on the gel tray as reference

System Components

- Chamber with corrosion resistant platinum electrodes and gold-plated banana plugs
- Safety lid with attached leads
- Gasketed UV-transmissible gel tray with two or four comb positions
- Two combs of your choice

Midigel Systems



Midi S

Ideally suited for medium sample throughput. Small footprint for saving space and material.

Convenient Handling

- Easy-to-use casting system – gel casting directly in the chamber by using end gates that seal the gel tray on both ends

System Components

- Chamber with corrosion resistant platinum electrodes and gold-plated banana plugs
- Safety lid with attached leads
- UV-transmissible gel tray with six comb positions with End Gates
- Four combs of your choice

Maxigel Systems



Maxi L

Ideally suited for medium to high sample throughput or high-resolution separations requiring long migration paths.

Convenient Handling

- Easy-to-use casting system – gel casting directly in the chamber by using end gates that seal the gel tray on both ends
- 3-point leveling system to compensate for uneven work surfaces: prevents aberrant run behavior due to non-uniform gel thickness

System Components

- Chamber with corrosion resistant platinum electrodes and gold-plated banana plugs
- Safety lid with attached leads
- UV-transmissible gel tray with six to twelve comb positions with End Gates
- Integrated 3-point leveling platform
- Three or four combs of your choice

PerfectBlue™

Vertical Double Gel Systems

PerfectBlue™ Twin-Gel Systems are available in four different formats to accommodate rapid or high-resolution separation for a wide range of sample numbers. The wide-format-system for separating large sample numbers is compatible with standard multichannel pipettes.

best separation
results



Twin S, Twin M, Twin L & Twin ExW S

Excellent Workmanship

- Exclusive use of high-quality materials, for excellent separation results even after long-term use
- Minimal manufacturing tolerances due to CNC milling technology
- Robust construction through the use of 6 mm acrylic glass
- Corrosion-free gold-plated banana plugs
- Manufactured in concordance with CE guidelines

Safety Features

- Safety lid and recessed connectors offer protection against electric shock
- Asymmetrical configuration of electrical contacts prevents mismatching of electrodes

Quality of Results

- Three corrosion proof platinum cathodes and a single anode for optimal electrical field distribution and faster separation times
- Centrally located flow cooling system made with alumina ceramic ensures optimal heat removal and outstanding separation efficiency even at high currents
- Increased upper buffer chamber for optimal heat transfer giving sharper bands without band 'smiling'

All systems come with a three-year warranty!

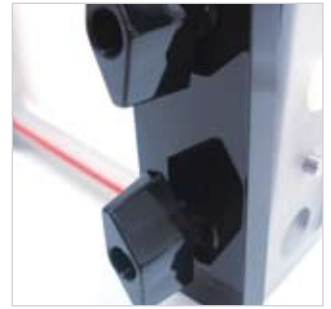
excellent durability



01. Flow cooling system



02. 3-cathode configuration



03. Robust side clamps hold the gel in place



04. Protected anode

Convenient Handling

- Lateral positioned recesses for easy lid removal
- Robust, lateral spring-loaded clamps hold the glass plates in the chamber safely and easily in place
- Easy-to-use casting system:
Gel casting directly in the chamber assembly on casting base with silicone mats for agarose-free sealing
- Precise and leakproof positioning of spacers via 'SpacerPlacers'
- 'Blocking plate' for single-gel runs
- Accommodates many commercially available pre-cast gels

System Components

- Each system comes supplied with casting base with silicone mats, 4 glass plate pair sets, 2 or 4 combs and spacer sets (depending on model), 1 blind plate for single-gel runs, 2 replacement gaskets and 1 'SpacerPlacer'
- A wide range of combs varying in thickness, tooth size and number

PerfectBlue™ Accessories

- A wide range of combs and spacers of various thickness, rectangular and notched glass plates are available to complement this range

easy assembly

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Creating the future together.

PerfectBlue™ Electroblotting Systems

PerfectBlue™ Electroblotting Systems are designed for the transfer of proteins in conjunction with semi-dry or wetblot techniques. The systems are designed to be easy and convenient to use and yield effective and reproducible transfer results. PerfectBlue™ Electroblotting Systems of either type are available in two different sizes.

time & buffer saving



WEB™ M & WEB™ S



Sedec™ S & Sedec™ M

Tank Electroblotter WEB™

- Designed to optimally transfer proteins that are very large and traditionally difficult to transfer
- Plate Electrodes made of platinum-plated titanium (anode) and stainless steel (cathode) provide a uniform electrical field for reproducible transfer results
- Efficient Cooling System: Water circulation system with alumina ceramic wall located at the chamber base for effective heat removal
- Buffer Tank: Space for up to 4 blotting cassettes and 1 magnetic stirring bar
- Safety Lid: Asymmetrical configuration of electrical contacts prevents mismatching of electrodes
- System Components: 4 (WEB™ S) or 2 (WEB™ M) blotting cassettes, each with 2 fiber mats/cassette

'Semi-Dry' Electroblotter Sedec™

- Designed for time- and buffer-saving transfer of proteins and nucleic acids
- Plate Electrodes made of platinum-plated titanium (anode) and stainless steel (cathode) provide a uniform electrical field for reproducible transfers
- Safety Lid: Asymmetrical configuration of electrical contacts prevents mismatching of electrodes. Robust screw buttons for correct lid alignment

All systems come with a three-year warranty!

quantitative transfer
large proteins

peqPOWER

Power Supplies

Introducing the peqPOWER range of power supplies, two models are available - E300 and E250 - both applicable for horizontal and vertical electrophoresis. The E250 with a current range up to 3000 mA is in addition ideally suited for transfer techniques like Western Blotting.



peqPOWER E300 & E250

high quality
performance

electrophoresis & transfer
techniques

Quality design

peqPOWER power supplies are designed to be as practical to use in the lab as they are robust in their supply of electricity.

Lightweight, compact and also stackable, they give you back more of your benchspace. Additionally they have a microprocessor control and offer the simplest and clearest method of operation.

User-friendly handling

The peqPOWER range offers total control of voltage, current and power with automatic cross over and with the E250 model also offering a 10 program memory to make parameter selection quick, specific and easy.

Both models are protected against over-voltage or short-circuit damage and power automation recovery for continual, worry free and safe operation.

Product features

- Constant voltage, constant current and for E250 additional constant power control
- Easy programming of up to 10 programs (E250)
- Four colour-coded output terminal pairs for simultaneously operating with multiple instruments
- Big LCD display and folding legs for convenient viewing of parameters
- Space saving through compact, stackable design

All systems come with a three-year warranty!

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Creating the future together.

Our Service Pledge

- We will be pleased to send you further information, or announcements of the latest offers
- Personal and professional support through our application hotline and local field service representatives
- Rapid delivery times



Ordering Information						
System	Gel Size (w x l)	Max. No. Samples	Buffer Volume	Gel Volume ¹	Combs ²	Product Code
Horizontal Gel Electrophoresis Systems						
Mini S	7 x 8 cm	24	400 ml	30 ml	6, 10	40-0708
Mini M	9 x 11 cm	36	600 ml	50 ml	10, 14	40-0911
Mini L	12 x 14 cm	100	800 ml	85 ml	12, 20	40-1214
Mini L 'Revolution' ³	12 x 14 cm	100	1000 ml	85 ml	12, 20	40-1214R
Midi S	15 x 15 cm	160	1000 ml	120 ml	17, 34 (2 each, microtiter)	40-1515
Midi ExW	23 x 14 cm	200	1400 ml	160 ml	50 (4 each, microtiter)	40-2314N
Maxi S Plus	15 x 25 cm	160	1800 ml	200 ml	10; 17, 34 (microtiter)	41-1525
Maxi M	20 x 25 cm	168	2300 ml	250 ml	16, 24, 36	41-2025
Maxi M 'Revolution' ³	20 x 25 cm	168	2000 ml	250 ml	16, 24, 36	41-2025R
Maxi L	23 x 40 cm	600	4500 ml	460 ml	20, 25 (2 each, microtiter)	41-2340
Maxi ExW	23 x 25 cm	500	3000 ml	290 ml	25, 50 (2 each, microtiter)	41-2325
Maxi ExW 'Revolution' ³	23 x 25 cm	500	2800 ml	290 ml	25, 50 (2 each, microtiter)	41-2325R

¹ refers to gels with a thickness of 5 mm ² number of teeth (combs), 1.5 mm thick, supplied with the respective system ³ contains a buffer circulation system for uniform pH-value

System	Description	Gel Size (w x l)	Max. No. Samples	Combs	Product Code
Vertical Gel Electrophoresis Systems					
Twin S	complete system with Casting Base ¹	10 x 10 cm	24	10 (2) ²	45-1010-c
Twin M	complete system with Casting Base ¹	16 x 14 cm	48	10, 15 (2 each) ³	45-1614-c
Twin L	complete system with Casting Base ¹	20 x 20 cm	50	15, 20 (2 each) ³	45-2020-c
Twin ExW S	complete system with Casting Base ¹	20 x 10 cm	72	15, 20 (2 each) ²	45-2010-c

¹ all systems also available without casting base ² number of teeth (combs), 0.8 mm thick, supplied with the system ³ number of teeth (combs), 1.5 mm thick, supplied with the system

System	Description	Buffer Volume	Product Code
Electroblotting Systems			
Sedec™ S	complete system for gels up to 10 x 10 cm	approx. 50 ml	52-1010
Sedec™ M	complete system for gels up to 20 x 20 cm	approx. 200 ml	52-2020
Web™ S	complete system for gels up to 8.5 x 9.5 cm	approx. 1300 ml	52-WEB-10
Web™ M	complete system for gels up to 18 x 20 cm	approx. 3000 ml	52-WEB-20

System	Voltage	Current	Power	Outlets	Product Code
peqPOWER Power Supplies					
peqPOWER E300	300 V	500 mA	90 W	4	55-E300-230V ¹
peqPOWER E250	250 V	3000 mA	300 W	4	55-E250-230V ¹

¹ For a 110 V US version please replace '230V' with '110V' in the ordering number.