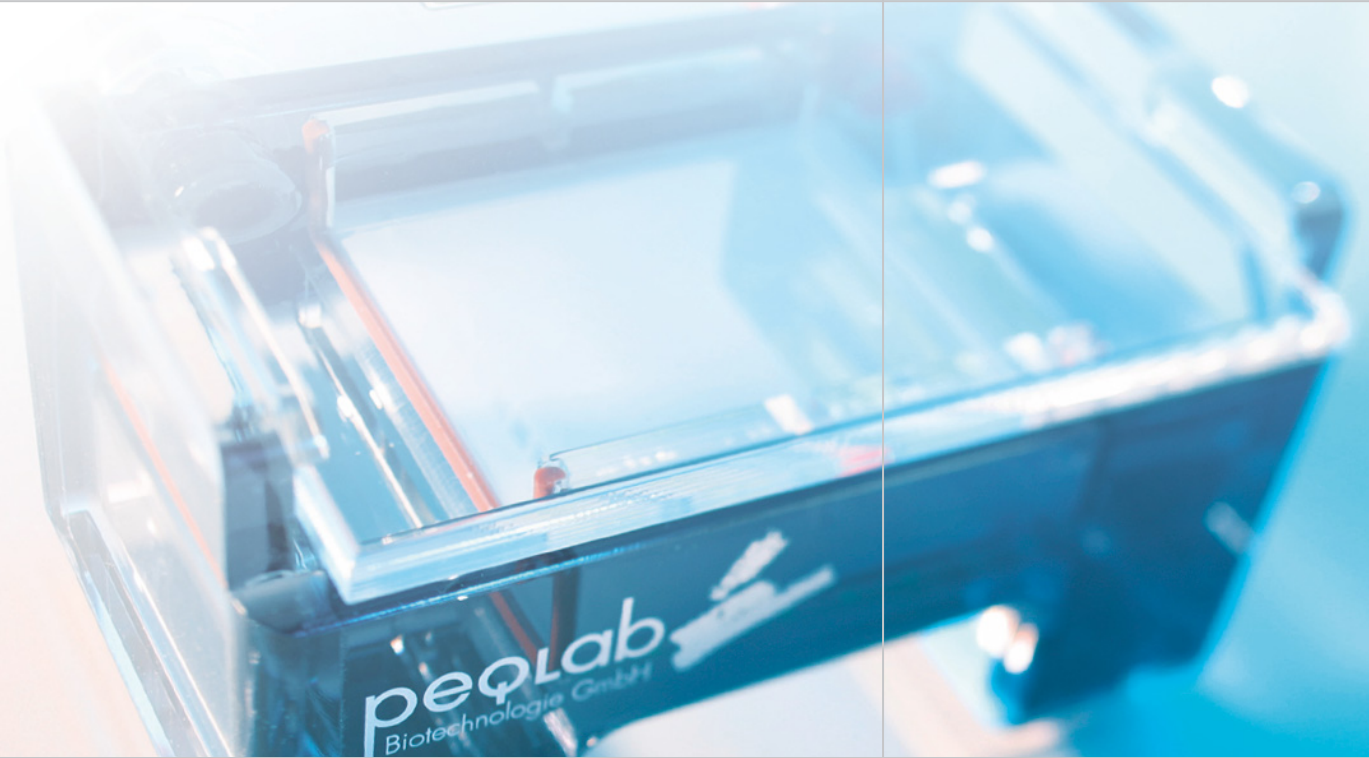


PerfectBlue™



Gel Electrophoresis and Blotting Systems

quality without

compromise

PerfectBlue™ Electrophoresis Systems

Quality of Results

- Embedded, corrosion-protected platinum electrodes with protected junctions for electrical field uniformity
- Slip resistant gel tray ensures straight banding and maximum run reliability (horizontal gel electrophoresis systems)
- Reproducible results due to optimal electrode configuration

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

Convenient Handling

- Practical, well thought-out design for easy handling
- Easy-to-use casting systems – quick and leak-free casting of gels without the need for manual sealing
- Rounded-off corners for comfortable handling
- Nonskid rubber feet

Flexibility

- The largest selection of chambers and accessories
- Types of combs supplied with each system are freely selectable (numbers of teeth, thickness)
- All systems are shipped ready-to-use with accessories (combs and gel trays for horizontal and combs, spacers and glass plates for vertical gel electrophoresis systems)

Safety Features

- Safety lid only permits electrical contact when the gel chamber is closed
- Recessed connectors attached to the power cords offer additional protection against electric shock

All systems come with a three-year warranty!



01. Gold-plated banana plugs



02. Corrosion-protected electrode junctions

PerfectBlue™ Horizontal Minigel Systems

PerfectBlue™ minigel systems are ideal for use with low to medium sample numbers. Designed for quick and reproducible separations, these minigel systems are perfectly suited for the daily needs of the research laboratory.

Convenient Handling

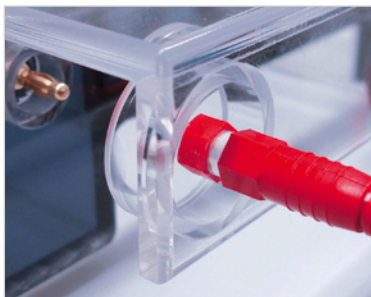
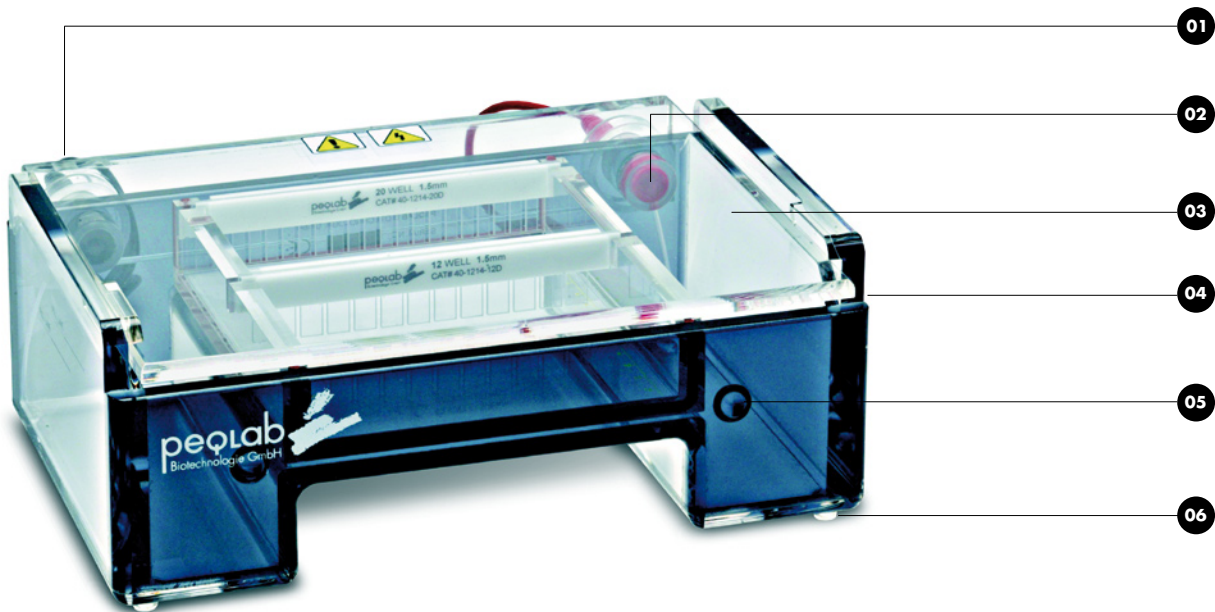
- Easy-to-use casting system – gel casting directly in the chamber by 90 degree rotation of the rubber-seal-equipped gel tray
- Labeled combs for easy identification of comb type
- Venting slot prevents water condensation for unobstructed gel viewing
- Gel tray and chamber lid are made of UV transmissible acrylic glass enabling the gel to be viewed under UV excitation while running

System Components

- UV-transmissible gel tray with two comb positions
- Two combs of choice

PerfectBlue™ Accessories

- A wide range of combs, UV-transmissible gel trays featuring various comb positions, MultiCast™ casting rails for pouring several gels simultaneously, adjustable universal casting rail to accommodate gel trays of various sizes are available to complement this range



03. Safety lid offers protection against electric shock



04. Venting slot helps avoid water condensation

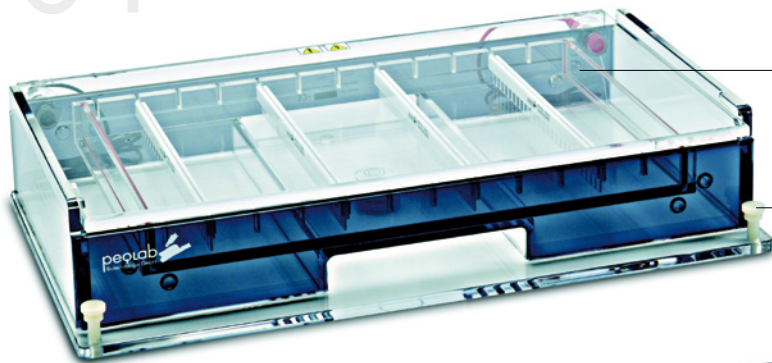
05. Secure fixation of gel tray for straight banding runs

06. Nonskid rubber feet

maximum

precision

01



End gates for leakproof casting of gels directly within the chamber

3-point leveling system for compensation of an uneven work surface

**PerfectBlue™
Maxigel System
Maxi L**

02



**PerfectBlue™
Wide-Format Gel
System Maxi ExW**

PerfectBlue™ Horizontal Maxi- and Wide-Format Gel Systems

PerfectBlue™ Maxi Gel Systems are designed for medium to high sample throughput and for high-resolution nucleic acid separations requiring long migration paths.

PerfectBlue™ Wide-Format Gel Systems are designed for separations that require high sample throughput at short distances of separation. Specially designed microtiter combs enable the direct transfer of samples from microtiter plates into gel slots with multichannel pipetters.

Convenient Handling

- Easy-to-use casting systems: Positioning of the gel tray in a casting rail (Minigel system models Mini ExM and Mini ExW) or direct casting in the chamber by using end gates that seal the gel tray on both ends (Maxigel systems)
- 3-point leveling system to compensate for uneven work surfaces: prevents aberrant run behavior due to non-uniform gel thickness
- Labeled combs for easy identification of comb type

System Components

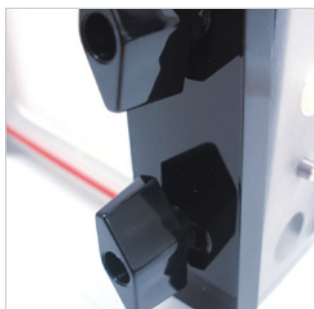
- UV-transmissible gel tray with multiple comb positions, depending on chamber type 3 or 4 combs of choice, 3-point leveling platform (excluding Mini ExM model)

PerfectBlue™ Accessories

- A wide range of combs, UV-transmissible gel trays featuring various comb positions as well as 'wall combs' for casting smaller gels on large gel trays are available to complement this range



01. 3-cathode configuration



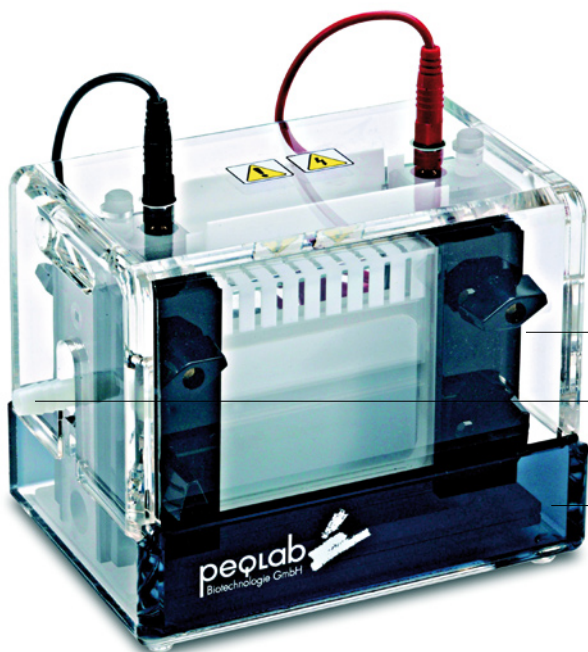
02. Robust side clamps hold the gel in place



03. Flow cooling system



04. Protected anode



02

03

04

PerfectBlue™ Vertical Double Gel Electrophoresis Systems

Quality of Results

- 3-cathode technology and platinum-plated electrodes for exceptional electrical field uniformity and distortion-free gel runs
- Centrally located flow cooling system made with alumina ceramic ensures optimal heat removal and outstanding separation efficiency even at high currents
- Asymmetrical configuration of electrical contacts prevents mismatching of electrodes

Convenient Handling

- Laterally 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 sealing mats for agarose-free sealing
- Precise and leakproof positioning of spacers via 'SpacerPlacers' (Twin S model)
- 'Blocking plate' for single-gel runs
- Accommodates many commercially available pre-cast gels

effective systems



PerfectBlue™ Vertical Double Gel Electrophoresis Systems

PerfectBlue™ Twin-Gel Systems are available in four different formats to accommodate quick 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 pipetters.

System Components

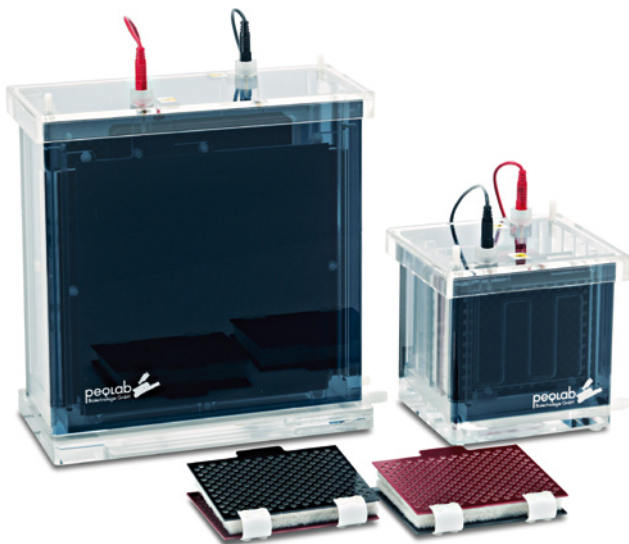
- Each system comes supplied with casting base with silicone mats, 4 glass plate pair sets, 2 or 4 combs and spacer sets (depending on model), 1 blind plate for single-gel runs and 2 replacement gaskets

PerfectBlue™ Accessories

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

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.



01

PerfectBlue™ WEB Wet Blotting Systems

Designed to optimally transfer proteins that are very large and traditionally difficult to transfer

Platinum-plated Titanium Anode and Stainless Steel Cathode (Plate Electrodes!)

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

02

PerfectBlue™ SEDEC Semi-Dry Blotting Systems

Designed for time- and buffer-saving transfer of proteins and nucleic acids

Platinum-plated Titanium Anode and Stainless Steel Cathode

Provide a uniform electrical field and reproducible transfers

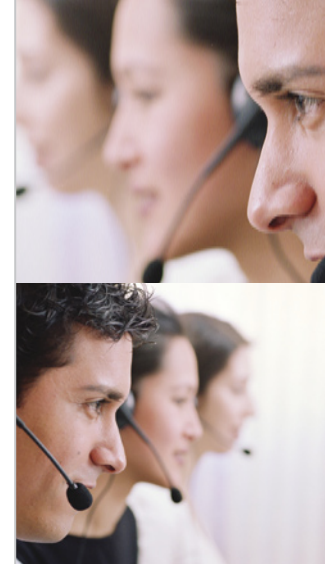
Safety Lid

Asymmetrical configuration of electrical contacts prevents mismatching of electrodes. Robust screw buttons for correct lid alignment

3-Year Warranty

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	50	800 ml	85 ml	12, 20	40-1214
Mini L 'Revolution' ³	12 x 14 cm	50	1000 ml	85 ml	12, 20	40-1214R
Maxi S	13 x 25 cm	112	1600 ml	165 ml	12, 16, 20	41-1325
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)	41-2340
Mini ExM	14.4 x 10.2 cm	80	600 ml	75 ml	30, 40 (2 each)	40-1410
Mini ExW	23 x 14 cm	200	800 ml	160 ml	50 (4, microtiter)	40-2314
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

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