



ELECTROPHORESIS SYSTEMS

HORIZONTAL MINI GEL SYSTEMS	83
JUSTCAST ADJUSTABLE CASTING SYSTEM	88
LEVELLING PLATFORM AND GEL STAND	89
HORIZONTAL MIDI GEL SYSTEMS	90
HORIZONTAL MAXI GEL SYSTEMS	93
HORIZONTAL WIDE FORMAT MAXI GEL SYSTEMS	98
COMBS AND OPTIONS	100
VERTICAL DOUBLE GEL SYSTEMS	101
VERTICAL WIDE FORMAT DOUBLE GEL SYSTEMS	106
CASTING STANDS FOR VERTICAL GEL SYSTEMS	107

PerfectBlue™ Horizontal Gel Systems from PEQLAB

Here at PEQLAB, we are very proud of our PerfectBlue™ horizontal gel systems. We've worked hard to make them, what we believe to be the very best electrophoresis systems that money can buy. Backed with a confident three year guarantee and loaded with sensible and well designed features, the wide range of Mini, Midi and Maxi tanks will quickly become a well loved, essential and dependable tool for horizontal electrophoresis.

The quality starts with the manufacturing; PerfectBlue™ systems are machine cut using CNC milling from 6 mm strong acrylic glass parts. Unlike injection moulded plastics, PerfectBlue™ systems are both extremely strong and durable for a very long lifespan and most importantly, resistant to thermal expansion.

Features such as embedded, corrosion resistant platinum electrodes, gold-plated banana plugs and the slip resistant tray all add to reliable sample separation results every time.

All horizontal tanks are designed with a ventilation gap to reduce condensation

on the cover and provide a clear view of the gel during the run. And finally, the type and tooth number is clearly printed on each comb to make finding the correct item that little bit easier.

Each system is supplied ready to use with cabling, gel trays, a choice of combs and with the Maxi tanks, additionally a sturdy levelling tray with bubble level.

The PerfectBlue™ horizontal mini gel systems, **Mini S**, **Mini M**, **Mini L** and **Mini L Revolution**, are compact, sturdy and ideal for everyday use in the lab. Each system offers the ability to rotate the gel tray 90° and pour the gel within the system. Or, if you are pouring multiple gels, use the JustCast or Multi-Cast™ accessories. Each Mini system is supplied ready for use with cables, your choice of combs, tray and lid.

For the analysis of a large number of samples, the Midi gel systems, **Midi S** and **Midi ExW**, in addition to the large sized Maxi systems, **Maxi S plus**, **Maxi M**, **Maxi L** and **Maxi ExW** offer a range of sizes to suit any purpose. With multiple gel comb positions, these systems can accommodate up to 600 samples in one gel for small distance

separation or a smaller number of samples for up to 40 cm separation. For down-sizing, the Casting Dam or Wall Combs enable the gel to be reduced in size to save on preparation materials. Each Maxi gel is supplied with a three point levelling table to ensure flat and even gel pouring.

On all of these systems, the use of high quality platinum electrodes and connections provide for a stable separation with short run times and sharp bands free of smiling effects.

And for lengthy separations, the Revolution series of systems offer an ingenious pump-free buffer circulation system to stabilise pH across the electrophoresis system.

All PerfectBlue™ systems come with a full 3 year warranty!

MODEL	GEL SIZE (cm)	BUFFER VOL. (ml)	GEL VOL. (ml for 5 mm)	GEL VOL. (ml for 8 mm)	VOLTAGE (V)	CURRENT (mA)	TYPICAL RUN TIME (min)
PerfectBlue™ Horizontal Mini Gel Systems							
Mini S	7 x 8	400	30	45	20 - 150	0 - 75	30 - 60
Mini M	9 x 11	600	50	80	20 - 150	0 - 75	45 - 90
Mini L	12 x 14	800	85	135	20 - 150	0 - 75	60 - 120
Mini L Revolution	12 x 14	1000	85	135	20 - 150	0 - 75	60 - 240
PerfectBlue™ Horizontal Midi Gel Systems							
Midi S	15 x 15	1000	120	180	20 - 150	0 - 100	45 - 90
Midi ExW	23 x 14	1400	160	260	20 - 150	0 - 100	45 - 90
PerfectBlue™ Horizontal Maxi Gel Systems							
Maxi S Plus	15 x 25	1800	200	320	20 - 250	0 - 150	60 - 120
Maxi M	20 x 25	2300	250	400	20 - 250	0 - 150	60 - 240
Maxi M Revolution	20 x 25	2000	250	400	20 - 250	0 - 150	60 - 360
Maxi L	23 x 40	4500	460	735	20 - 250	0 - 150	60 - 360
Maxi ExW	23 x 25	3000	290	460	20 - 250	0 - 150	60 - 240
Maxi ExW Revolution	23 x 25	2800	290	460	20 - 250	0 - 150	60 - 360

PerfectBlue™ Horizontal Mini Gel Systems

- Robust construction
- Simple handling
- Reproducible, sharp banded results



CONVENIENT HANDLING

- Easy-to-use casting system available in Mini S, M, and L models – gel casting directly in the chamber by 90° rotation of the rubber seal equipped gel tray
- Labelled combs for easy identification of comb type
- Venting slot prevents water condensation for unobstructed gel viewing
- Fluorescent ruler on the gel tray as size marker

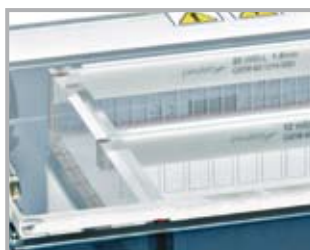
SYSTEM COMPONENTS

- PerfectBlue™ Mini Gel Systems are supplied ready to use
- chamber with corrosion proof platinum electrodes and gold plated banana plugs
 - safety lid with firmly attached cables
 - gel tray with stable rubber gaskets
 - Anti-slip rubber feet

PERFECTBLUE™ ACCESSORIES

- A wide range of combs and gel trays featuring various comb positions
- gel trays with multiple comb positions
- MultiCast™ casting trays for pouring several gels simultaneously
- Adjustable universal casting tray to accommodate gel trays of various sizes are available to complement this range

ALL PERFECTBLUE™ SYSTEMS COME WITH A FULL 3 YEAR WARRANTY FROM THE DATE OF PURCHASE



Rubber seal equipped gel tray enables gel casting directly in the chamber



Corrosion protected electrode junctions



Safety lid offers protection against electric shock



Venting slot helps avoid water condensation

PerfectBlue™ Gel System Mini S

Supplied with two combs, lid, gel tray, tank and cables.

Gel size (width x length): 7 x 8 cm
 Sample number: 5 to 24
 Product size (L x H x D): 12 x 9.5 x 16 cm
 Run time: ≥ 30 min
 Gel volume¹: approx. 30 ml
 Buffer volume: approx. 400 ml

Three year warranty

The smallest of all the PerfectBlue™ Electrophoresis Systems, the Mini S can be used for up to 24 samples enabling short and rapid sample separation. This highly popular model comes packed with all the features of the larger models, including direct chamber gel casting and embedded platinum electrodes, and comes supplied ready to use with lid, power leads, a choice of 2 combs and a gel tray with a clear to read ruler.

System is supplied with 6 and 10 teeth, 1.5 mm combs as standard. Please tell us if you would like another option at time of ordering.

ADDITIONAL PRODUCTS FOR AGAROSE GEL ELECTROPHORESIS

- Ladders page 59
- Power Supplies page 110
- Electroblotter page 113
- Agarose page 116



PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Gel System Mini S	Electrophoresis System for gels 7 x 8 cm			40-0708
MultiCast™ Gel Casting Kit	Casting tray plus 3 gel trays			40-0708-MC
Casting Tray	Casting chamber for max. 3 gels			40-0708-CST
Gel Tray	Gel tray with gaskets			40-0708-UVT
Replacement Gaskets (1 pair)	Replacement gaskets (1 pair) for gel tray			40-0708-GK
Standard Combs	1.5 mm	5 Teeth	64 µl ¹	40-0708-5D
	1.5 mm	6 Teeth	51 µl ¹	40-0708-6D
	1.5 mm	8 Teeth	36 µl ¹	40-0708-8D
	1.5 mm	10 Teeth	26 µl ¹	40-0708-10D
	1.5 mm	12 Teeth	21 µl ¹	40-0708-12D
	1.0 mm	5 Teeth	42 µl ¹	40-0708-5C
	1.0 mm	6 Teeth	34 µl ¹	40-0708-6C
	1.0 mm	8 Teeth	24 µl ¹	40-0708-8C
	1.0 mm	10 Teeth	18 µl ¹	40-0708-10C
	1.0 mm	12 Teeth	14 µl ¹	40-0708-12C
Preparative Combs	1.5 mm	2 Teeth	320/28 µl ¹	40-0708-PD

¹ Based on an agarose gel of approximately 5 mm thickness.

PerfectBlue™ Gel System Mini M

Supplied with two combs, lid, gel tray, tank and cables.

Gel size (width x length): 9 x 11 cm
 Sample number: 5 to 36
 Product size (L x H x D): 15 x 9.5 x 22 cm
 Run time: ≥ 45 min
 Gel volume¹: approx. 50 ml
 Buffer volume: approx. 600 ml

Three year warranty



The Mini M electrophoresis system is a very convenient size for a wide range of routine uses. Supplied with 2 combs, but with a wide range of standard and Microtitre combs available, this system can be used for the separation of up to 36 samples. The system comes ready to use¹ with lid, power leads and a gel tray.

Through its high specification construction and embedded platinum electrodes it provides very high quality results time after time. The system is supplied with 10 and 14 teeth, 1.5mm combs as standard. Please tell us if you would like another option at time of ordering.

PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Gel System Mini M	Electrophoresis System for gels 9 x 11 cm			40-0911
MultiCast™ Gel Casting Kit	Casting tray plus 3 gel trays			40-0911-MC
Casting Tray	Casting chamber for max. 3 gels			40-0911-CST
Gel Tray	Gel tray with gaskets			40-0911-UVT
Replacement Gaskets (1 pair)	Replacement gaskets (1 pair) for gel tray			40-0911-GK
Standard Combs	1.5 mm	5 Teeth	86 µl ¹	40-0911-5D
	1.5 mm	8 Teeth	51 µl ¹	40-0911-8D
	1.5 mm	10 Teeth	38 µl ¹	40-0911-10D
	1.5 mm	12 Teeth	30 µl ¹	40-0911-12D
	1.5 mm	14 Teeth	25 µl ¹	40-0911-14D
	1.0 mm	5 Teeth	58 µl ¹	40-0911-5C
	1.0 mm	8 Teeth	34 µl ¹	40-0911-8C
	1.0 mm	10 Teeth	25 µl ¹	40-0911-10C
	1.0 mm	12 Teeth	20 µl ¹	40-0911-12C
Microtitre Combs	1.5 mm	9 Teeth	40 µl ¹	40-0911-9D
	1.5 mm	18 Teeth	16 µl ¹	40-0911-18D
	1.0 mm	9 Teeth	27 µl ¹	40-0911-9C
	1.0 mm	18 Teeth	11 µl ¹	40-0911-18C
Preparative Combs	1.5 mm	2 Teeth	439/28 µl ¹	40-0911-PD

¹ Based on an agarose gel of approximately 5 mm thickness.

PerfectBlue™ Gel System Mini L

Supplied with two combs, lid, gel tray, tank and cables.

Gel size (width x length): 12 x 14 cm
 Sample number: 8 to 100
 Product size (L x H x D): 17 x 9.5 x 25 cm
 Run time: ≥ 60 min
 Gel volume¹⁾: approx. 85 ml
 Buffer volume: approx. 800 ml

Three year warranty



Capable of running 12 x 14 cm gels, the largest of the Mini range still offers the convenience of direct gel casting in the tray, in an easy to manage product size for reliable, high quality electro-

phoresis. This system can be supplied with a choice of gel trays suitable for 2, 4 or 12 combs and an expansive range of standard and microtitre combs, making this versatile system appropriate for both routine and small

separation electrophoresis. As with all PerfectBlue™ products, this horizontal gel system is backed by a full 3 year warranty!

PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Gel System Mini L	Electrophoresis system for gels 12 x 14 cm			40-1214
MultiCast™ Gel Casting Kit	Casting tray plus 3 gel trays L4			40-1214-MC
Casting Tray	Casting chamber for max. 3 gels			40-1214-CST
Gel Tray L4	Gel tray with gaskets, for up to 4 combs			40-1214-UVT4
Gel Tray L12	Gel tray with gaskets, for up to 12 combs			40-1214-UVT12
Replacement Gaskets (1 pair)	Replacement gaskets (1 pair) for gel tray			40-1214-GK
Wall Comb	Separation comb for shorter gel length			40-1214-WC
Standard Combs	1.5 mm	8 Teeth	70 µl ¹⁾	40-1214-8D
	1.5 mm	16 Teeth	30 µl ¹⁾	40-1214-16D
	1.5 mm	20 Teeth	22 µl ¹⁾	40-1214-20D
	1.5 mm	24 Teeth	17 µl ¹⁾	40-1214-24D
	1.0 mm	8 Teeth	47 µl ¹⁾	40-1214-8C
	1.0 mm	16 Teeth	20 µl ¹⁾	40-1214-16C
	1.0 mm	20 Teeth	15 µl ¹⁾	40-1214-20C
	1.0 mm	24 Teeth	11 µl ¹⁾	40-1214-24C
Microtitre Combs	1.5 mm	9 Teeth	40 µl ¹⁾	40-1214-9D
	1.5 mm	12 Teeth	40 µl ¹⁾	40-1214-12D
	1.5 mm	25 Teeth	16 µl ¹⁾	40-1214-25D
	1.0 mm	9 Teeth	27 µl ¹⁾	40-1214-9C
	1.0 mm	12 Teeth	27 µl ¹⁾	40-1214-12C
Preparative Combs	1.0 mm	25 Teeth	11 µl ¹⁾	40-1214-25C
	1.5 mm	2 Teeth	596/28 µl ¹⁾	40-1214-PD

¹⁾ Based on an agarose gel of approximately 5 mm thickness.

PerfectBlue™ Gel System Mini L Revolution

Supplied with two combs, lid, gel tray, tank and cables.

Gel size (width x length): 12 x 14 cm
 Sample number: 8 to 100
 Product size (L x H x D): 17.5 x 12.5 x 25 cm
 Run time: ≥ 60 min
 Gel volume¹⁾: approx. 85 ml
 Buffer volume: approx. 1000 ml

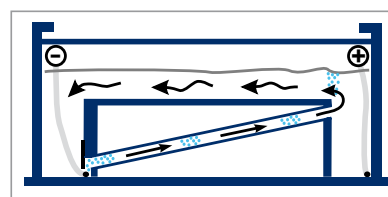
Three year warranty

The Revolution series includes an ingenious buffer circulation system, powered by the electrodes themselves. Hydrogen bubbles produced at the cathode pass up a diagonally positioned pipe connected to the two sides of the tank producing a gentle circulation of the buffer. The result, no pH and ionic gradient – without the fuss of mechanical pumps.

This, together with the features and quality of the Mini L, make this system the premier Mini system available. Please refer to the Mini L product for a choice of combs and accessories.



Revolution buffer recirculation system



PRODUCT	DESCRIPTION	CAT. NO.
PerfectBlue™ Gel System Mini L Revolution	Electrophoresis system for gels 12 x 14 cm	40-1214R
MultiCast Gel Casting Kit	Casting tray plus 3 gel trays L4	40-1214-MC
Casting Tray	Casting chamber for max. 3 gels	40-1214-CST
Gel Tray L4	Gel tray with gaskets, for up to 4 combs	40-1214-UVT4
Gel Tray L12	Gel tray with gaskets, for up to 12 combs	40-1214-UVT12
Replacement Gaskets (1 pair)	Replacement gaskets (1 pair) for gel tray	40-1214-GK
Wall Comb	Separation comb for shorter gel length	40-1214-WC

The choice of combs and accessories for the Mini L Revolution is the same as for the Mini L. Please consult the previous page for details.

¹⁾ Based on an agarose gel of approximately 5 mm thickness.

JustCast – adjustable casting chamber from PEQLAB

The JustCast system is a flexible and quick system to cast multiple PerfectBlue™ compatible mini gels at the same time, without the need to tape. Adjustable to fit all gel trays featured in the PerfectBlue™ mini gel series, this system comes fitted with an easy to read Bubble Level and adjustable feet to ensure a level casting of the gel.

At any one time, the system can fit three Mini S, two Mini M or two Mini L trays.



The JustCast comes with a full 3 year warranty.

If you are a busy lab and have different sizes of PerfectBlue™ gel trays, the JustCast is an excellent addition to the range. The design of the mobile wall and the quick fixing bolt enables different sizes to be quickly established producing the necessary seal against the gasketed ends of the gel trays.

The capacity of the JustCast system is changed with just a half turn of the screw and enables the simultaneous pouring of up to three Mini S, two Mini M or two Mini L tray freeing up the electrophoresis systems for use.

The JustCast wall is manufactured from high quality heatproof silicone rubber matting enabling pouring of 60 °C hot agarose.

As you would expect from this quality range, the JustCast comes with a 3 year warranty.

- 3 x Mini S tray
- 2 x Mini M tray
- 2 x Mini L tray

SIZE (B x H x L)

- 25.5 x 4.5 x 28.5 cm

PRODUCT	DESCRIPTION	CAT. NO.
JustCast Casting Tray	Adjustable casting tray for PerfectBlue™ Mini Gel Systems with adjustable feet and bubble level.	40-CST

Levelling Platform with Bubble Level

- Uniform gel thickness
- Consistent buffer level over the gel
- Assures high quality separation results



The use of levelling platforms in electrophoresis can be a big help in maintaining a uniform gel thickness and therefore a uniform and quality sample separation.

PEQLAB's Levelling Platform offers 4 independent screws and an easy to read bubble level to produce a level and stable platform. With a usable surface of 36 x 46 cm, this platform is suitable for use with both the Mini and Midi Gel systems of the PerfectBlue™ range.

PRODUCT	DESCRIPTION	CAT. NO.
Levelling Platform with Bubble Level	Platform with 4 independent screws and bubble level	40-B-LP
Bubble Level	Additional bubble level	40-BBL

MultiCast™ Gel Casting Stand

- Time saving and easy preparation of multiple gels



Including gel trays, the MultiCast™ is a practical and cost effective way to acquire more gel trays for your PerfectBlue™ Mini system plus a method of casting gels ready for use.

Sized specifically to fit the relevant model, the casting stand provides a snug fit enabling gels to be poured directly into the tray.

The MultiCast™ includes three gel trays for Mini S, Mini M and Mini L models.

PRODUCT	DESCRIPTION	CAT. NO.
MultiCast™ Casting Stand for Mini S	1 Casting Stand and 3 Gel Trays	40-0708-MC
MultiCast™ Casting Stand for Mini M	1 Casting Stand and 3 Gel Trays	40-0911-MC
MultiCast™ Casting Stand for Mini L ('Revolution')	1 Casting Stand and 3 Gel Trays	40-1214-MC

PerfectBlue™ Horizontal Midi Gel Systems

High-quality mid sized gel chambers

Perfect fit maximising footprint, comb size and sample number.



MIDI S



MIDI ExW

SIMPLE HANDLING

- Simple casting system - gel pouring directly into the tray securely sealed with gasketed end gates (supplied with system)
- Additional separation combs or casting dams for pouring smaller gels
- 6 comb positions per gel tray

SYSTEM COMPONENTS

- PerfectBlue™ Midi Gel systems are supplied ready to use
- Chamber with corrosion proof platinum electrodes and gold-coated plug contacts
 - Safety cover with firmly attached cables
 - gel tray
 - End gates for simple pouring
 - 4 combs of your choice
 - Anti-slip rubber feet

PERFECTBLUE™ ACCESSORIES

- Multiple different comb types, sizes and 1.5 mm or 1.0 mm thickness
- Standard combs and microtitre combs
- gel trays with multiple comb positions
- Optional wall combs or casting dams for pouring smaller gels

ALL PERFECTBLUE™ SYSTEMS COME WITH A FULL 3 YEAR WARRANTY FROM THE DATE OF PURCHASE



End Gates for leak free gel pouring.



Gold plated banana plugs.



Corrosion proof electrode junctions.



Safety lid offers protection against electric shock.

PerfectBlue™ Gel System Midi S

Supplied with four combs, lid, gel tray, tank, cables and end gates for gel pouring.

Gel size (width x length): 15 x 15 cm
 Sample number: 10 to 160
 Product size (L x H x D): 21.5 x 10 x 27.5 cm
 Run time: ≥ 45 min
 Gel volume¹: approx. 120 ml
 Buffer volume: approx. 1000 ml



Three year warranty

Capable of rapidly running up to 160 samples, the Midi S is a compact though highly efficient electrophoresis system.

Versatility is built in from the start, with six different comb positions and a choice of 10 different comb types and thicknesses.

For rapid handling, special microtitre combs enable rapid loading with a multi-channel pipette while the effective rubber sealed end gates permit gel pouring right in the tray.

With its sturdy design and straight electrodes, the results are clear, crisp and quick, free from smiling bands.

ADDITIONAL PRODUCTS FOR AGAROSE GEL ELECTROPHORESIS

- Ladders page 59
- Power Supplies page 110
- Electrophoresis page 113
- Agarose page 116

PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Gel system Midi S	Electrophoresis System for gels 15 x 15 cm			40-1515
Gel Tray	Gel Tray with 'End Gates'			40-1515-UVT
Replacement Gaskets (1 pair)	2 Gaskets for End Gates			40-1515-GK
End Gates	2 Walls for gel pouring			40-1515-EG
Wall Comb	Separation comb for shorter gel length			40-1515-WC
Casting Dam	Aluminium bar for shorter gel length			40-1515-CD
Standard Combs	1.5 mm	10 Teeth	46 µl ¹	40-1515-10D
	1.5 mm	20 Teeth	20 µl ¹	40-1515-20D
	1.5 mm	40 Teeth	7 µl ¹	40-1515-40D
	1.0 mm	10 Teeth	30 µl ¹	40-1515-10C
	1.0 mm	20 Teeth	13 µl ¹	40-1515-20C
	1.0 mm	40 Teeth	5 µl ¹	40-1515-40C
Microtitre Combs	1.5 mm	17 Teeth	24 µl ¹	40-1515-MTD
	1.5 mm	34 Teeth	9 µl ¹	40-1515-MT2D
	1.0 mm	17 Teeth	16 µl ¹	40-1515-MTC
	1.0 mm	34 Teeth	6 µl ¹	40-1515-MT2C

¹ Based on an agarose gel of approximately 5 mm thickness.

PerfectBlue™ Wide Format Gel System Midi ExW

Supplied with four combs, lid, gel tray, tank, cables and end gates for gel pouring.



Gel size (width x length): 23 x 14 cm
 Sample number: 25 to 200
 Product size (L x H x D): 26 x 10 x 29 cm
 Run time: ≥ 45 min
 Gel volume¹⁾: approx. 160 ml
 Buffer volume: approx. 1400 ml

Three year warranty

With its extra wide design, the Midi ExW is ideal when you need to run lots of samples, up to 200, just a short distance. Ideal for genotyping.

This format, along with its compact footprint offers rapid run times without compromising on power. The result, a system for high throughput sample processing generating crisp clear band data.

As with all PerfectBlue™ Gel Systems, gels can be poured directly in the trays at temperatures up to 60 °C.

With the Midi ExW, the trays can be walled with effective gasketed end gates which are supplied in the system.

Additionally, gel size can be reduced by using wall combs or the aluminium Casting Dam. As an addition, this system is compatible with the levelling platform featured on page 89.

ADDITIONAL PRODUCTS FOR AGAROSE GEL ELECTROPHORESIS

- Ladders page 59
- Power Supplies page 110
- Electrophoresis page 113
- Agarose page 116

PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Gel System Midi ExW	Electrophoresis System for gels 23 x 14 cm			40-2314N
Gel Tray	Gel Tray with End Gates			40-2314N-UVT
Replacement Gaskets (1 pair)	2 Gaskets for End Gates			41-2340-GK
End Gates	2 walls for gel pouring			41-2340-EG
Wall Comb	Separation comb for shorter gel length			40-2314-WC
Casting Dam	Aluminium bar for shorter gel length			40-2314-CD
Microtitre Combs	1.5 mm	25 Teeth	40 µl ¹⁾	40-2314-MTD
	1.5 mm	26 Teeth	40 µl ¹⁾	40-2314-26D
	1.5 mm	50 Teeth	16 µl ¹⁾	40-2314-MT2D
	1.0 mm	25 Teeth	27 µl ¹⁾	40-2314-MTC
	1.0 mm	26 Teeth	27 µl ¹⁾	40-2314-26C
	1.0 mm	50 Teeth	11 µl ¹⁾	40-2314-MT2C

¹⁾ Based on an agarose gel of approximately 5 mm thickness.

PerfectBlue™ Maxi Gel Systems from PEQLAB

Quality design, quality construction and quality results are trademarks of the PerfectBlue™ Maxi Gel Systems for high throughput electrophoresis. A range of six Maxi systems including Extra Wide and the new Revolution models capable of running up to 600 samples, each electrophoresis system is supplied ready to use and backed with a confident three year warranty.



MAXI S PLUS



MAXI M



MAXI ExW



MAXI L



MAXI M REVOLUTION



MAXI ExW REVOLUTION

CONVENIENT HANDLING

- Easy to-use direct casting in the chamber by using end gates that seal the gel tray on both ends
- 3-point levelling system to compensate for uneven work surfaces: prevents aberrant run behavior due to non-uniform gel thickness.
- 6 to 12 comb positions per gel tray, depending on the model
- Labelled combs for easy identification of comb type

SYSTEM COMPONENTS

- PerfectBlue™ Maxi Gel Systems are supplied ready to use
- chamber with corrosion proof platinum electrodes and gold-plated banana plugs
 - safety lid with firmly attached cables

- gel tray
- 'End gates' for simple pouring three or four combs of choice
- 3-point levelling platform
- Anti-slip rubber feet

PERFECTBLUE™ ACCESSORIES

- Up to 23 different combs, thickness 1.5 mm or 1.0 mm
- Standard combs, microtiter combs, preparative combs
- gel tray with up to 12 comb positions
- Optional wall combs or casting dams for pouring smaller gels

QUALITY FEATURES FOUND IN EACH PERFECTBLUE™ MAXI GEL SYSTEM

- 3-point leveling platform for dependable, reliable electrophoresis
- Multiple comb positions for flexibility
- High quality build with CNC milling construction
- Embedded, corrosion proof platinum electrodes
- lid with venting slot
- Gold plated banana plugs

ALL PERFECTBLUE™ GEL SYSTEMS FROM PEQLAB COME WITH A FULL 3 YEAR WARRANTY FROM THE DATE OF PURCHASE



3-point levelling system



End Gates for leak proof sealing of the gel tray



6 to 12 comb positions per gel tray



Venting slots help avoid water condensation

PerfectBlue™ Gel System Maxi S Plus

Supplied with three combs, lid, gel tray, three point levelling platform, tank, cables and end gates.



Gel size (width x length): 15 x 25 cm
 Sample number: 10 to 160
 Product size (L x H x D): 23 x 10.5 x 37.5 cm
 Run time: ≥ 60 min
 Gel volume¹⁾: approx. 200 ml
 Buffer volume: approx. 1800 ml

Three year warranty

The smallest of the Maxi series, the Maxi S Plus is fully equipped and ready for use. Suitable for high quality sample separation of up to 160 samples per run.

With this flexible system, the gel size can be split into two, three or four sections by using different comb positions plus the gel size can be reduced using the Wall Comb or the Casting Dam system. The system comes supplied with

your choice of three combs – either standard combs or microtitre combs which are ideal for use with multichannel pipettes or additional combs are available from the list below.

Using the system's End Gates, gel pouring is leak-free and easy plus using the system's levelling table, the resulting gel will be flat maximising the quality of your run.

PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Gelsystem Maxi S Plus	Electrophoresis System for gels 15 x 25 cm			41-1525
Gel Tray	Gel tray with End Gates			41-1525-UVT
End Gates	2 walls enabling gel casting in the tray			40-1515-EG
Replacement Gaskets (1 pair)	2 gaskets for End Gates			40-1515-GK
Wall Comb	Separation comb for shorter gel length			40-1515-WC
Casting Dam	Aluminium bar for shorter gel length			40-1515-CD
Standard Combs	1.5 mm	10 Teeth	46 µl ¹⁾	40-1515-10D
	1.5 mm	20 Teeth	20 µl ¹⁾	40-1515-20D
	1.5 mm	40 Teeth	7 µl ¹⁾	40-1515-40D
	1.0 mm	10 Teeth	30 µl ¹⁾	40-1515-10C
	1.0 mm	20 Teeth	13 µl ¹⁾	40-1515-20C
	1.0 mm	40 Teeth	5 µl ¹⁾	40-1515-40C
Microtitre Combs	1.5 mm	17 Teeth	24 µl ¹⁾	40-1515-MTD
	1.5 mm	34 Teeth	9 µl ¹⁾	40-1515-MT2D
	1.0 mm	17 Teeth	16 µl ¹⁾	40-1515-MTC
	1.0 mm	34 Teeth	6 µl ¹⁾	40-1515-MT2C

¹⁾ Based on an agarose gel of approximately 5 mm thickness.

PerfectBlue™ Gel System Maxi M

Supplied with three combs, lid, gel tray, three point levelling platform, end gates¹, tank and cables.

Gel size (width x length): 20 x 25 cm
 Sample number: 8 to 168
 Product size (L x H x D): 29 x 10 x 37 cm
 Run time: ≥ 60 min
 Gel volume¹: approx. 250 ml
 Buffer volume: approx. 2300 ml



Three year warranty

Considerably wider than the Maxi S Plus, the Maxi M model can accommodate up to 168 samples but still in an

economical footprint. Offering a very wide choice of standard and microtitre combs, the Maxi M is a popular and

versatile Maxi system for the busy, high quality, laboratory.

PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Gel System Maxi M	Electrophoresis System for gels 20 x 25 cm			41-2025
Gel Tray	Gel tray with End Gates			41-2025-UVT
End Gates	2 walls enabling gel casting in the tray			41-2025-EG
Replacement Gaskets (1 pair)	2 gaskets for End Gates			41-2025-GK
Casting dam	Aluminium bar for shorter gel length			41-2025-CD
Wall Comb	Separation Comb for shorter gel length			41-2025-WC
Standard Combs	1.5 mm	8 Teeth	127 µl ¹	41-2025-8D
	1.5 mm	12 Teeth	82 µl ¹	41-2025-12D
	1.5 mm	16 Teeth	59 µl ¹	41-2025-16D
	1.5 mm	20 Teeth	45 µl ¹	41-2025-20D
	1.5 mm	24 Teeth	37 µl ¹	41-2025-24D
	1.5 mm	28 Teeth	28 µl ¹	41-2025-28D
	1.5 mm	32 Teeth	22 µl ¹	41-2025-32D
	1.5 mm	36 Teeth	20 µl ¹	41-2025-36D
	1.0 mm	8 Teeth	85 µl ¹	41-2025-8C
	1.0 mm	12 Teeth	54 µl ¹	41-2025-12C
	1.0 mm	16 Teeth	39 µl ¹	41-2025-16C
	1.0 mm	20 Teeth	30 µl ¹	41-2025-20C
	1.0 mm	24 Teeth	24 µl ¹	41-2025-24C
	1.0 mm	28 Teeth	19 µl ¹	41-2025-28C
	1.0 mm	32 Teeth	15 µl ¹	41-2025-32C
1.0 mm	36 Teeth	13 µl ¹	41-2025-36C	
Microtitre Combs	1.5 mm	18 Teeth	40 µl ¹	41-2025-18D
	1.5 mm	21 Teeth	40 µl ¹	41-2025-MTD
	1.5 mm	42 Teeth	16 µl ¹	41-2025-MT2D
	1.0 mm	18 Teeth	27 µl ¹	41-2025-18C
	1.0 mm	21 Teeth	27 µl ¹	41-2025-MTC
	1.0 mm	42 Teeth	11 µl ¹	41-2025-MT2C
Preparative Combs	1.5 mm	2 Teeth	1052/28 µl ¹	41-2025-PD

¹ Based on an agarose gel of approximately 5 mm thickness.

PerfectBlue™ Gel System Maxi M Revolution

Supplied with three combs, lid, gel tray, three point levelling platform, end gates, tank and cables.



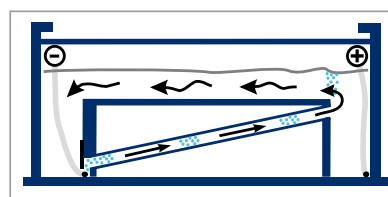
Gel size (width x length): 20 x 25 cm
 Sample number: 8 to 168
 Product size (L x H x D): 27 x 15.5 x 38 cm
 Run time: ≥ 60 min
 Gel volume¹⁾: approx. 250 ml
 Buffer volume: approx. 2000 ml

Three year warranty

Based on the popular Maxi M model, the Maxi M Revolution offers an inbuilt buffer circulation system, powered by the system's electrodes. At the cathode, hydrogen bubbles are produced and pass up a diagonally positioned pipe connected to the two sides of the tank to produce a gentle and continual circulation of the buffer. The system nulls any pH and ionic gradient – without the fuss of mechanical pumps.

The system offers 6 comb positions enabling the gel to be partitioned into 2, 3 or 4 areas. Additionally, the system can accommodate any of the 23 standard and microtitre comb designs described for the Maxi M model.

Revolution buffer recirculation system



PRODUCT	DESCRIPTION	CAT. NO.
PerfectBlue™ Gel System Maxi M Revolution	Electrophoresis System for gels 20 x 25 cm	41-2025R
Gel Tray	Gel tray with End Gates	41-2025-UVT
End Gates	2 walls enabling gel casting in the tray	41-2025-EG
Replacement Gaskets (1 pair)	2 gaskets for End Gates	41-2025-GK
Wall Comb	Separation comb for shorter gel length	41-2025-WC
Casting dam	Aluminium bar for shorter gel length	41-2025-CD

The choice of combs and accessories for the Maxi M Revolution is the same as for the Maxi M. Please consult the previous page for details.

¹⁾ Based on a agarose gel of approximately 5 mm thickness.

PerfectBlue™ Gel System Maxi L

Supplied with four combs, lid, gel tray, three point levelling platform, end gates, tank and cables.

Gel size (width x length): 23 x 40 cm
 Sample number: 25 to 600
 Product size (L x H x D): 32 x 10 x 53 cm
 Run time: ≥ 60 min
 Gel volume¹: approx. 460 ml
 Buffer volume: approx. 4500 ml



Three year warranty

L for Large, the Maxi L can be used to run an impressive 600 samples making it perfectly suited for large scale sample screening where up to 12 microtitre combs can be used on the same 23 x 40 cm gel tray.

But with more than just large sample runs in mind, the Maxi L has been designed for economy and efficiency. The system offers the use of economical partition walls, used to generate smaller gels and for loading the samples, the microtitre combs permit rapid and error free loading with multi-channel pipettes.

Gels can be poured directly into the tray through the use of the systems sturdy end gates (no need for messy taping) and the three point levelling tray ensures a uniform thickness of gel to reduce smiling effects which are common in gels of this size. Both the end gates and levelling tray are supplied with the system.

PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Gel System Maxi L	Electrophoresis System for gels 23 x 40 cm			41-2340
Gel Tray	Gel tray with End Gates			41-2340-UVT
End Gates	2 walls enabling gel casting in the tray			41-2340-EG
Replacement Gaskets (1 pair)	2 gaskets for End Gates			41-2340-GK
Wall Comb	Separation comb for shorter gel length			40-2314-WC
Casting dam	Aluminium bar for shorter gel length			41-2025-CD
Microtitre Combs	1.5 mm	25 Teeth	40 µl ¹	40-2314-MTD
	1.5 mm	26 Teeth	40 µl ¹	40-2314-26D
	1.5 mm	50 Teeth	16 µl ¹	40-2314-MT2D
	1.0 mm	25 Teeth	27 µl ¹	40-2314-MTC
	1.0 mm	26 Teeth	27 µl ¹	40-2314-26C
	1.0 mm	50 Teeth	11 µl ¹	40-2314-MT2C

¹ Based on a agarose gel of approximately 5 mm thickness.

PerfectBlue™ Wide Format Gel System Maxi ExW

Supplied with four combs, lid, gel tray, three point levelling platform, end gates, tank and cables.

Gel size (width x length): 23 x 25 cm
 Sample number: 25 to 500
 Product size (L x H x D): 30 x 11 x 37 cm
 Run time: ≥ 60 min
 Gel volume¹: approx. 290 ml
 Buffer volume: approx. 3000 ml



Three year warranty

This extra wide Maxi tank was developed especially for large sample numbers and rapid separation times. Accommodating up to 10 microtitre combs, the Maxi ExW can be used to separate up to 500 samples and facilitates error free loading with multi-channel pipettes.

By optimising the position of the embedded platinum electrode and the use of the three point levelling tray with inbuilt bubble level, the Maxi ExW provides highly reproducible and dependable sample separation, free from smiling effects.

The tray has 10 comb positions accommodating two different comb thicknesses. The tray is designed for use with sturdy end gates for in-tray gel pouring and economical tray partitions that enable smaller gels to be poured in the same tray – saving you time and money.

PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Gel System Maxi ExW	Electrophoresis System for gels 23 x 25 cm			41-2325
Gel Tray	Gel tray with End Gates			41-2325-UVT
End Gates	2 walls enabling gel casting in the tray			41-2340-EG
Replacement Gaskets (1 pair)	2 gaskets for End Gates			41-2340-GK
Wall Comb	Separation comb for shorter gel length			40-2314-WC
Casting dam	Aluminium bar for shorter gel length			40-2314-CD
Microtitre Combs	1.5 mm	25 Teeth	40 µl ¹	40-2314-MTD
	1.5 mm	26 Teeth	40 µl ¹	40-2314-26D
	1.5 mm	50 Teeth	16 µl ¹	40-2314-MT2D
	1.0 mm	25 Teeth	27 µl ¹	40-2314-MTC
	1.0 mm	26 Teeth	27 µl ¹	40-2314-26C
	1.0 mm	50 Teeth	11 µl ¹	40-2314-MT2C

¹ Based on a agarose gel of approximately 5 mm thickness.

PerfectBlue™ Gel System Maxi ExW Revolution

Supplied with four combs, lid, gel tray, three point levelling platform, end gates, tank and cables.

Gel size (width x length): 23 x 25 cm
 Sample number: 25 to 500
 Product size (L x H x D): 30 x 15.5 x 38 cm
 Run time: ≥ 60 min
 Gel volume¹: approx. 290 ml
 Buffer volume: approx. 2800 ml

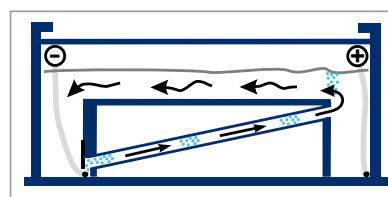


Three year warranty

The premier electrophoresis system for high throughput sample separation, the Maxi Revolution series offers inbuilt buffer recirculation – without the need for pumps or additional tubing. The Maxi ExW Revolution offers the same high throughput, rapid separation as the Maxi ExW model but with the ingenious position of the cathode and a rising tube, the system uses hydrogen bubbles to slowly mix the buffer. This system thereby avoids the build up of pH or ionic gradients for electrophoresis of maximal quality and stability.

The Maxi ExW Revolution system offers 10 microtitre comb positions with a maximum capacity for 500 samples and comes supplied ready to use with a choice of combs, gel tray, levelling platform, end gates and cables. The optional wall combs or casting dams enable the gel size to be reduced to pour smaller gels.

Revolution buffer recirculation system



PRODUCT	DESCRIPTION	CAT. NO.
PerfectBlue™ Gel System Maxi ExW Revolution	Electrophoresis System for gels 23 x 25 cm	41-2325R
Gel Tray	Gel tray with End Gates	41-2325-UVT
End Gates	2 walls enabling gel casting in the tray	41-2340-EG
Replacement Gaskets (1 pair)	2 gaskets for End Gates	41-2340-GK
Wall Comb	Wall Comb to split tray size	40-2314-WC
Casting dam	Aluminium bar for shorter gel length	40-2314-CD
The choice of combs and accessories for the Maxi ExW Revolution is the same as for the Maxi ExW. Please consult the previous page for details.		

¹ Based on a agarose gel of approximately 5 mm thickness.

Combs and Barriers

The PerfectBlue™ range is accompanied by an expansive range of combs to maximize the versatility and effectiveness of your electrophoresis system.

STANDARD COMBS

Available for all Mini, Midi and Maxi models and in 1.5 mm and 1.0 mm thickness.



PREPARATIVE COMBS

With a single tooth for markers and a broad tooth for large preparative samples. Available for almost all Mini, Midi and Maxi models.



WALL COMBS

Used to economically make a small gel within a large gel tray. Available for Mini L and all Midi and Maxi models. Use high concentration agarose solution for leak-proof sealing prior to gel casting.



All combs are manufactured for strength and designed for a neat fit into the tray. Combs come clearly labeled with the number of wells and thickness along with their catalogue number.

CASTING DAMS

Need to make a small gel in a big tray? The aluminium casting dam fits snugly into the tray and transfers heat rapidly away from the hot gel solution establishing a gel barrier without the need for previous sealing with highly concentrated agarose.



MICROTITRE COMBS

Designed for use with multi-channel pipettes, microtitre combs save time and avoid loading errors. Available in 1.5 mm or 1.0 mm thickness for all Mini, Midi and Maxi models (apart from Mini S). Designed for direct or alternate well loading.



Direct loading

Alternate loading

Replacement cables

Suitable for all electrophoresis and blotting systems

1 m long with a 4 mm male connection, these replacement cables are suitable for all PerfectBlue™ Electrophoresis Systems and Blotting Systems and are compatible with the majority of commercially available power supplies, including those from

PEQLAB. For power supplies requiring 2 mm connections, adaptors are available. These cables comply with European Safety Standards.

PRODUCT	CAT. NO.
Replacement cables (1 pair)	40-PSL-5

PerfectBlue™ Vertical Double Gel Systems from PEQLAB

- Easy handling
- Short running times
- High quality separation results

COOLING SYSTEM

All PerfectBlue™ vertical double gel systems are equipped with a structurally strong and extremely effective cooling system consisting of water circulation and heat sinking ceramic plates. The ceramic material used in these systems transfers heat approximately forty times better than conventional plastic or glass, greatly enhancing the performance of the cooling system and therefore best managing the consistent temperature environment within the electrophoresis system. An increased upper buffer chamber extends over the entire width of the gels to provide uniform heat distribution right across the gel enabling even high speed, high heat generating separations to be conducted without aberrant smiling of the gel front.

STRUCTURE AND DESIGN

With deliberately oversized components the PerfectBlue™ vertical double gel systems are designed for durability and ease of handling – even when wearing wet gloves. A novel and remarkably effective system of clamps and large thumbscrews enables the system to be accurately constructed in the shortest of times.

Additionally, the system is provided with a durable rubber seal to prevent loss of buffer and requires smaller buffer volumes compared to other systems.

Safety to the user has a strong influence on its design with extra thick acrylic glass and seals around the electrical sockets. The tank design offers asymmetrically placed cables to prevent incorrect lid placing and avoid the possibility of wrongly orientating the positive and negative connections.

For performance, the system is designed with not one, but three cathodes which provide a more uniform electrical field across the system while the anode rotates around the entire chamber base. This effective distribution of cathodes and anode not only provides very stable sample separation but also due to their proximity to the gel, enables the shortest of run times.

Systems are available in a range of sizes from 10 x 10 cm gel sizes right up to 20 x 10, 16 x 14 or 20 x 20 cm gels.

CASTING SYSTEM

Pouring your own gels could not be simpler, quicker or more reliable with the use of the highly effective casting tray. And for setting the glass plates, the system's spacer placer ensures the correct spacing between seals. All in all, the PerfectBlue™ vertical double gel systems are very possibly the most comfortable, durable and robust systems available for effective vertical electrophoresis.

MODEL	GEL SIZE (cm)	SAMPLE NUMBER	BUFFER VOL. (ml)	VOLTAGE (V)	CURRENT (mA/Gel)	POWER (W)	TYP. RUN TIME (min)
PerfectBlue™ Vertical Double Gel Systems							
Twin S	10 x 10	24	250	500	15 – 35	30	30 – 90
Twin M	16 x 14	48	650	500	15 – 50	30	60 – 120
Twin L	20 x 20	50	1250	500	15 – 75	50	60 – 180
Twin ExW S	20 x 10	72	650	500	30 – 45	50	30 – 90

PerfectBlue™ Vertical Double Gel Systems from PEQLAB

Four designs to match your application.

Triple cathode technology for ideal sample separation.

Integrated cooling system for rapid run times without the smiling effect.



SIMPLE HANDLING

- Solid CNC milled construction for durability and reliability
- Sturdy oversized screws, easy to handle with wet gloves
- The brilliantly designed Casting Base for leak free, agarose free, quick and easy pouring
- SpacerPlacer makes set up easy
- Compatible with ready-made gels

SYSTEM COMPONENTS

PerfectBlue™ vertical gel systems are supplied ready to use with

- Upper and lower buffer chamber
- Safety cover lid with attached cables
- Integrated ceramic cooling plates and water circulation system
- 4 pairs of glass plates
- 2 or 4 combs
- 1 blind plate for single gel runs
- 2 or 4 spacer sets
- 1 SpacerPlacer
- 2 spare seals
- Casting base with silicone mat (depending on model)

PERFECTBLUE™ ACCESSORIES

- Up to 12 different comb types in 1.5 mm and 0.8 mm thickness
- Combs in standard, preparative and microtitre design
- Notched and normal glass plates
- SpacerPlacer for easy alignment
- Casting base for quick, agarose free assembly

FULL 3 YEAR WARRANTY FOR ALL PERFECTBLUE™ VERTICAL DOUBLE GEL SYSTEMS FROM THE DATE OF PURCHASE



3 Cathode Configuration



Oversized screws for ease of handling



Internal cooling system



Protected anode

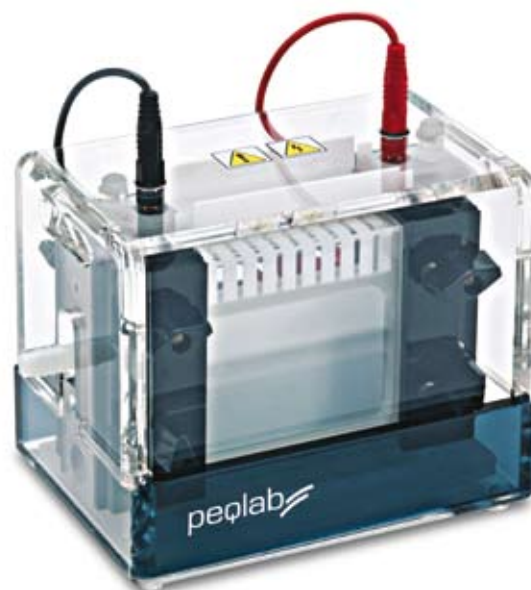
PerfectBlue™ Double Gel System Twin S

Supplied with or without casting base with silicone mats, four glass plate pair sets, two combs and spacer sets, one blind plate for single-gel runs, one SpacerPlacer and two replacement gaskets.

Gel size (width x length): 10 x 10 cm
 Sample number: 6 to 24
 Product size (L x H x D): 17 x 14 x 13 cm
 Buffer volume: approx. 250 ml

Three year warranty

The smallest of the series, the Twin S is designed for rapid separation of typical 10 x 10 cm mini gels. Supplied ready to use with two 10 teeth, 0.8 mm thick combs, this system provides rapid and effective sample separation.



PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Double Gel System Twin S	System for gels 10 x 10 cm, without Casting Base			45-1010-I
	System for gels 10 x 10 cm, with Casting Base			45-1010-C
Casting Base	complete with Gaskets and Levers			45-1010-CB
Spare Seals	2 rubber seals for upper buffer chamber			45-1010-GK
Glass Plate, cut-out	Clear	Size 10 x 10 x 0.24 cm		45-1010-10R
Glass Plate, normal	Clear	Size 10 x 10 x 0.24 cm		45-1010-10G
Ceramic Plate, cut-out	Coloured white	Size 10 x 10 x 0.10 cm		45-1010-10RA
Standard Combs	1.5 mm	6 Teeth	175 μ l ¹	45-1010-6D
	1.5 mm	8 Teeth	120 μ l ¹	45-1010-8D
	1.5 mm	10 Teeth	90 μ l ¹	45-1010-10D
	1.5 mm	12 Teeth	70 μ l ¹	45-1010-12D
	0.8 mm	6 Teeth	95 μ l ¹	45-1010-6C
	0.8 mm	8 Teeth	65 μ l ¹	45-1010-8C
	0.8 mm	10 Teeth	50 μ l ¹	45-1010-10C
	0.8 mm	12 Teeth	35 μ l ¹	45-1010-12C
Preparative Combs	1.5 mm	2 Teeth	1500/100 μ l ¹	45-1010-PD
	0.8 mm	2 Teeth	800/60 μ l ¹	45-1010-PC
Spacer Sets (2 Side and 1 Bottom Spacer)	1.5 mm	0.7 cm thick	3 Pieces	45-1010-SD
	0.8 mm	0.7 cm thick	3 Pieces	45-1010-SC
SpacerPlacer	for easy and accurate alignment of spacers			45-1010-SP

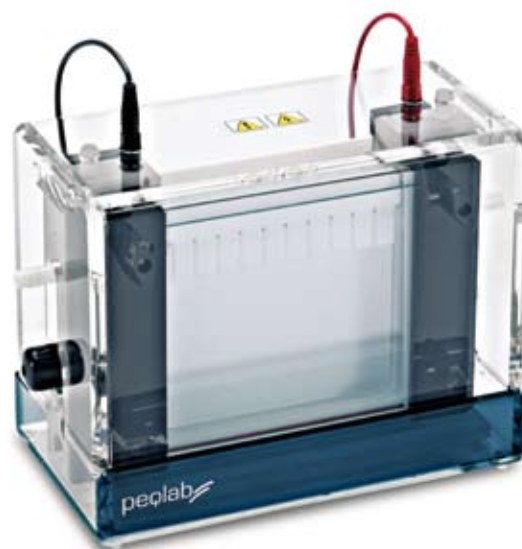
¹ Based on an average gel and a tooth at 14 mm depth.

PerfectBlue™ Double Gel System Twin M

Supplied with or without casting base with silicone mats, four glass plate pair sets, four combs and spacer sets, one blind plate for single-gel runs, one SpacerPlacer and two replacement gaskets.

Gel size (width x length): 16 x 14 cm
 Sample number: 10 to 48
 Product size (L x H x D): 25 x 20 x 14 cm
 Buffer volume: approx. 650 ml

Three year warranty



For 16 x 14 cm gels, the Twin M model is a versatile system for SDS PAGE applications in addition to non-denaturing electrophoresis of proteins, SSCPs and dinucleotide repeats.

With the increased upper buffer chamber, water circulation system and heat-sinking aluminum ceramic plates the Twin M provides high speed separation while maintaining straight and sharp bands.

PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Double Gel System Twin M	Systems for gels 16 x 14 cm, without Casting Base			45-1614-I
	Systems for gels 16 x 14 cm, with Casting Base			45-1614-C
Casting Base	complete with Gaskets and Levers			45-1614-CB
Spare Seals	2 rubber seals for upper buffer chamber			45-1614-GK
Glass Plate, cut-out	Clear	Size 16 x 14 x 0.32 cm		45-1614-14R
Glass Plate, normal	Clear	Size 16 x 14 x 0.32 cm		45-1614-14G
Standard Combs	1.5 mm	10 Teeth	234 µl ¹⁾	45-1614-10D
	1.5 mm	15 Teeth	140 µl ¹⁾	45-1614-15D
	1.5 mm	20 Teeth	90 µl ¹⁾	45-1614-20D
	1.5 mm	24 Teeth	65 µl ¹⁾	45-1614-24D
	0.8 mm	10 Teeth	125 µl ¹⁾	45-1614-10C
	0.8 mm	15 Teeth	75 µl ¹⁾	45-1614-15C
	0.8 mm	20 Teeth	50 µl ¹⁾	45-1614-20C
	0.8 mm	24 Teeth	35 µl ¹⁾	45-1614-24C
Preparative Combs	1.5 mm	2 Teeth	3570/150 µl ¹⁾	45-1614-PD
	0.8 mm	2 Teeth	1900/80 µl ¹⁾	45-1614-PC
Spacer Sets (2 Side and 1 Bottom Spacer)	1.5 mm	1.0 cm thick	3 Pieces	45-1614-SD
	0.8 mm	1.0 cm thick	3 Pieces	45-1614-SC
SpacerPlacer	for easy and accurate alignment of spacers			45-1614-SP

¹⁾ Based on an average gel and a tooth at 14 mm depth.

PerfectBlue™ Double Gel System Twin L

Supplied with or without casting base with silicone mats, four glass plate pair sets, four combs and spacer sets, one blind plate for single-gel runs, one SpacerPlacer and two replacement gaskets.

Gel size (width x length): 20 x 20 cm
 Sample number: 10 to 50
 Product size (L x H x D): 30 x 24 x 17 cm
 Buffer volume: approx. 1250 ml

Three year warranty



The largest of the series, the Twin L can accommodate 20 x 20 cm gels for the simultaneous separation of up to 50 samples making this system ideally suited for either higher throughput or separating lower molecular weight samples.

The system actively manages temperature build up with an efficient water cooling system and central aluminum ceramic plates for effective and safe long term operation.

PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Double Gel System Twin L	System for gels 20 x 20 cm, without Casting Base			45-2020-I
	System for gels 20 x 20 cm, with Casting Base			45-2020-C
Casting Base	complete with Gaskets and Lever			45-2020-CB
Spare Seals	2 rubber seals for upper buffer chamber			45-2020-GK
Glass Plate, cut-out	Clear	Size 20 x 20 x 0.32 cm		45-2020-20R
Glass Plate, normal	Clear	Size 20 x 20 x 0.32 cm		45-2020-20G
Standard Combs	1.5 mm	10 Teeth	305 µl ¹⁾	45-2020-10D
	1.5 mm	15 Teeth	185 µl ¹⁾	45-2020-15D
	1.5 mm	20 Teeth	125 µl ¹⁾	45-2020-20D
	1.5 mm	25 Teeth	90 µl ¹⁾	45-2020-25D
	0.8 mm	10 Teeth	165 µl ¹⁾	45-2020-10C
	0.8 mm	15 Teeth	100 µl ¹⁾	45-2020-15C
	0.8 mm	20 Teeth	65 µl ¹⁾	45-2020-20C
	0.8 mm	25 Teeth	50 µl ¹⁾	45-2020-25C
Preparative Combs	1.5 mm	2 Teeth	3330/110 µl ¹⁾	45-2020-PD
	0.8 mm	2 Teeth	1780/60 µl ¹⁾	45-2020-PC
Spacer Sets (2 Side and 1 Bottom Spacer)	1.5 mm	1.0 cm thick	3 Pieces	45-2020-SD
	0.8 mm	1.0 cm thick	3 Pieces	45-2020-SC
SpacerPlacer	for easy and accurate alignment of spacers			45-2020-SP

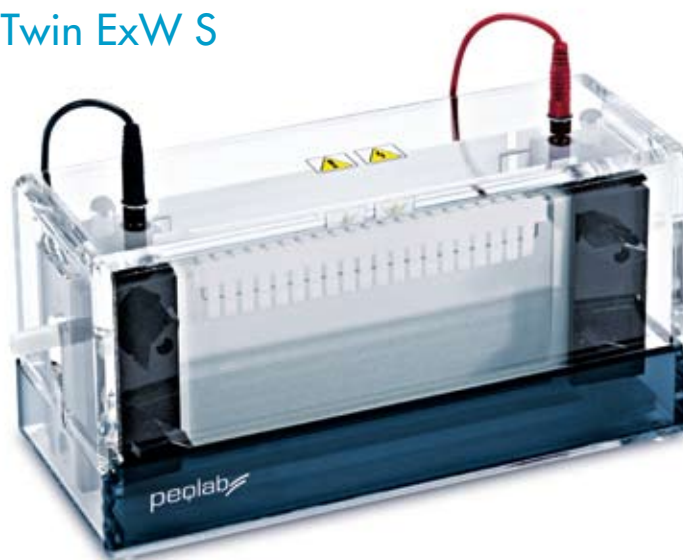
¹⁾ Based on an average gel and a tooth at 20 mm depth.

PerfectBlue™ Double Gel System Twin ExW S

Supplied with or without casting base with silicone mats, four glass plate pair sets, four combs and spacer sets, one blind plate for single-gel runs, one SpacerPlacer and two replacement gaskets.

Gel size (width x length): 20 x 10 cm
 Sample number: 10 to 72
 Product size (L x H x D): 30 x 14 x 13 cm
 Buffer volume: approx. 650 ml

Three year warranty



Extra wide, for gels 20 x 10 cm, the Twin ExW S is ideally suited for rapid analytical separations or large sample separation.

The combination of the triple cathode construction and effective cooling provides a stable environment for high quality sample separation.

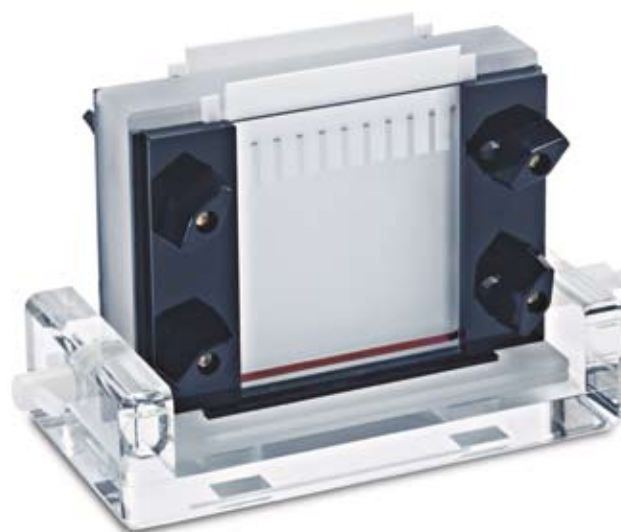
PRODUCT	DESCRIPTION			CAT. NO.
PerfectBlue™ Wide Format	System for gels 20 x 10 cm, without Casting Base			45-2010-I
Double Gel System Twin ExW S	System for gels 20 x 10 cm, with Casting Base			45-2010-C
Casting Base	complete with Gaskets and Levers			45-2010-CB
Spare Seals	2 rubber seals for upper buffer chamber			45-2010-GK
Glass Plate, cut-out	Clear	Size 20 x 10 x 0.30 cm		45-2010-10R
Glass Plate, blank	Clear	Size 20 x 10 x 0.30 cm		45-2010-10G
Standard Combs	1.5 mm	10 Teeth	165 µl ¹⁾	45-2010-10D
	1.5 mm	15 Teeth	125 µl ¹⁾	45-2010-15D
	1.5 mm	20 Teeth	80 µl ¹⁾	45-2010-20D
	1.5 mm	25 Teeth	65 µl ¹⁾	45-2010-25D
	0.8 mm	10 Teeth	90 µl ¹⁾	45-2010-10C
	0.8 mm	15 Teeth	70 µl ¹⁾	45-2010-15C
	0.8 mm	20 Teeth	45 µl ¹⁾	45-2010-20C
	0.8 mm	25 Teeth	35 µl ¹⁾	45-2010-25C
Microtitre Combs	1.5 mm	18 Teeth	105 µl ¹⁾	45-2010-MTD
	1.5 mm	36 Teeth	50 µl ¹⁾	45-2010-MT2D
	0.8 mm	18 Teeth	55 µl ¹⁾	45-2010-MTC
	0.8 mm	36 Teeth	25 µl ¹⁾	45-2010-MT2C
Preparative Combs	1.5 mm	2 Teeth	2330/80 µl ¹⁾	45-2010-PD
	0.8 mm	2 Teeth	1240/40 µl ¹⁾	45-2010-PC
Spacer Sets (2 Side and 1 Bottom Spacer)	1.5 mm	1.2 cm thick	3 Pieces	45-2010-SD
	0.8 mm	1.2 cm thick	3 Pieces	45-2010-SC
SpacerPlacer	for easy and accurate alignment of spacers			45-2010-SP

¹⁾ Based on an average gel and a tooth at 14 mm depth.

Cast-It™ Gel Stand from PEQLAB

The Cast-It™ system is designed for quick, straightforward gel assembly for PerfectBlue™ vertical gels without the need for taping or plugging. Simply place the glass plates and spacer and turn the two cam levers to fit the whole construct tightly against the special silicone seals, ready for gel pouring.

Supplied with all the components you require and backed by a three year guarantee, the Cast-It™ is supplied in four sizes to match the PerfectBlue™ range.



CAST-IT™ GEL STAND S

Gel size (W x L): 10 x 10 cm
Capacity: 1 or 2 Gels
Size (L x H x D): 21 x 14 x 10 cm

CAST-IT™ GEL STAND M

Gel size (W x L): 16 x 14 cm
Capacity: 1 or 2 Gels
Size (L x H x D): 29 x 20 x 10 cm

CAST-IT™ GEL STAND L

Gel size (W x L): 20 x 20 cm
Capacity: 1 or 2 Gels
Size (L x H x D): 34 x 24 x 10 cm

CAST-IT™ GEL STAND ExW S

Gel size (W x L): 20 x 10 cm
Capacity: 1 or 2 Gels
Size (L x H x D): 34 x 14 x 10 cm

PRODUCT	DESCRIPTION	CAT. NO.
Cast-It™ S (for Twin S)	Casting system for up to 2 vertical gels 10 x 10 cm	45-1010-CU
	2 spare silicone rubber seals for plate holders S	45-1010-GK
	2 spare silicone rubber seals for base unit S	45-1010-CG
	2 spare side clamps	45-1010-CL
Cast-It™ M (for Twin M)	Casting system for up to 2 vertical gels 16 x 14 cm	45-1614-CU
	2 spare silicone rubber seals for plate holders M	45-1614-GK
	2 spare silicone rubber seals for base unit M	45-1614-CG
	2 spare side clamps	45-1614-CL
Cast-It™ L (for Twin L)	Casting system for up to 2 vertical gels 20 x 20 cm	45-2020-CU
	2 spare silicone rubber seals for plate holders L	45-2020-GK
	2 spare silicone rubber seals for base unit L	45-2020-CG
	2 spare side clamps	45-2020-CL
Cast-It™ ExW S (for Twin ExW S)	Casting system for up to 2 vertical gels 20 x 10 cm	45-2010-CU
	2 spare silicone rubber seals for plate holders ExW S	45-2010-GK
	2 spare silicone rubber seals for base unit ExW S	45-2010-CG
	2 spare side clamps	45-2010-CL
Thumbscrews	2 spare screws	45-1010-WK