

Overview PerfectBlue horizontal electrophoresis systems

System	Gel size (W x L)	Maximal number of samples	Buffer volume	Gel volume*	Combs**	Cat. No.
PerfectBlue Mini S	7 x 8 cm	24	400 ml	30 ml	6, 10	700-0741
PerfectBlue Mini M	9 x 11 cm	36	600 ml	50 ml	10, 14	700-0758
PerfectBlue Mini L	12 x 14 cm	50	800 ml	85 ml	12***	700-0777
PerfectBlue Mini L 'Revolution'	12 x 14 cm	50	1000 ml	85 ml	12***	700-0799
PerfectBlue Midi S	15 x 15 cm	160	1000 ml	120 ml	17, 34 (2 each)***	700-0814
PerfectBlue Midi ExW	23 x 14 cm	200	1400 ml	160 ml	50 (4x)***	700-0842
PerfectBlue Maxi S Plus	15 x 25 cm	160	1800 ml	200 ml	10, 17***, 34***	700-0876
PerfectBlue Maxi M	20 x 25 cm	168	2300 ml	250 ml	16, 24, 36	700-0880
PerfectBlue Maxi M 'Revolution'	20 x 25 cm	168	2000 ml	250 ml	16, 24, 36	700-0909
PerfectBlue Maxi L	23 x 40 cm	600	4500 ml	460 ml	25, 50 (2 each)***	700-0913
PerfectBlue Maxi ExW	23 x 25 cm	500	3000 ml	290 ml	25, 50 (2 each)***	700-0910
PerfectBlue Maxi ExW 'Revolution'	23 x 25 cm	500	2800 ml	290 ml	25, 50 (2 each)***	700-0912

* refers to gels with a thickness of 5 mm
** number of teeth, combs supplied with the respective system
*** microtiter combs



PERFECTBLUE GEL SYSTEM, MINI S

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 model includes all the features of the larger models, including direct chamber gel casting and embedded platinum electrodes, and is supplied ready to use with lid, power leads, two combs and a gel tray with an easy to read ruler.

Gel size (W×L): 70×80 mm

System is supplied with 2 combs (6 and 10 teeth, 1,5 mm thickness) as standard.

Model	Mini S
Gel size W×L (mm)	70×80
Gel volume (ml)	~30*
Buffer volume (ml)	~400
Run time (min)	≥30
Unit W×L×H (mm)	120×160×95

Description	Pk	Cat. No.
PerfectBlue gel system Mini S	1	700-0741

Description	Pk	Cat. No.
Combs for PerfectBlue gel system Mini S		
Standard comb, 1,0 mm, 5 teeth, 42 µl*	1	700-0746
Standard comb, 1,5 mm, 5 teeth, 64 µl*	1	700-0747
Standard comb, 1,0 mm, 6 teeth, 34 µl*	1	700-0748
Standard comb, 1,5 mm, 6 teeth, 51 µl*	1	700-0749
Standard comb, 1,0 mm, 8 teeth, 24 µl*	1	700-0750
Standard comb, 1,5 mm, 8 teeth, 36 µl*	1	700-0751
Standard comb, 1,0 mm, 10 teeth, 18 µl*	1	700-0742
Standard comb, 1,5 mm, 10 teeth, 26 µl*	1	700-0743
Standard comb, 1,0 mm, 12 teeth, 14 µl*	1	700-0744
Standard comb, 1,5 mm, 12 teeth, 21 µl*	1	700-0745
Preparative comb, 1,5 mm, 2 teeth, 320/28 µl*	1	700-0756
Accessories		
Casting chamber for max. 3 gels	1	700-0753
UV transparent gel tray with gaskets	1	700-0757
Replacement gaskets for gel tray	1 PAIR	700-0754

*Based on an agarose gel of approximately 5 mm thickness



PERFECTBLUE GEL SYSTEM, MINI M

The PerfectBlue Mini M electrophoresis system is a very convenient size for a wide range of routine uses. Supplied with two 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 use' with lid, power leads and a gel tray. Its high specification construction and embedded platinum electrodes provide high quality results time after time.

System is supplied with 2 combs (10 and 14 teeth, 1,5 mm thickness) as standard.

Model	Mini M
Gel size W×L (mm)	9 × 11 cm
Buffer volume (ml)	600 mL
Run time (min)	≥45
Unit W×L×H (mm)	90 × 110 × 95

Description	Pk	Cat. No.
PerfectBlue gel system Mini M	1	700-0758

Description	Pk	Cat. No.
Combs for PerfectBlue gel system Mini M		
Standard comb, 1,0 mm, 5 teeth, 58 µl*	1	700-0767
Standard comb, 1,5 mm, 5 teeth, 86 µl*	1	700-0768
Standard comb, 1,0 mm, 8 teeth, 34 µl*	1	700-0769
Standard comb, 1,5 mm, 8 teeth, 51 µl*	1	700-0770
Standard comb, 1,0 mm, 10 teeth, 25 µl*	1	700-0759
Standard comb, 1,5 mm, 10 teeth, 38 µl*	1	700-0760
Standard comb, 1,0 mm, 12 teeth, 20 µl*	1	700-0761
Standard comb, 1,5 mm, 12 teeth, 30 µl*	1	700-0762
Standard comb, 1,0 mm, 14 teeth, 16 µl*	1	700-0763
Standard comb, 1,5 mm, 14 teeth, 25 µl*	1	700-0764
Microtitre comb, 1,0 mm, 9 teeth, 27 µl*	1	700-0771
Microtitre comb, 1,5 mm, 9 teeth, 40 µl*	1	700-0772
Microtitre comb, 1,0 mm, 18 teeth, 11 µl*	1	700-0765
Microtitre comb, 1,5 mm, 18 teeth, 16 µl*	1	700-0766
Preparative comb, 1,5 mm, 2 teeth, 439/28 µl*	1	700-0775
Accessories		
Casting chamber for max. 3 gels	1	700-0773
UV transparent gel tray with gaskets	1	700-0776
Replacement gaskets for gel tray	1 PAIR	700-0774

*Based on an agarose gel of approximately 5 mm thickness



PERFECTBLUE GEL SYSTEM, MINI L

Capable of running 12×14 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 electrophoresis. 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.

System is supplied with gasketed UV transmissible (UVT) gel tray (L4) with 4 comb positions and 2 combs (12 and 20 teeth, 1,5 mm thickness) as standard.

Model	Mini L
Gel size W×L (mm)	120×140
Sample capacity	8 – 100
Gel volume (ml)	~85*
Buffer volume (ml)	~800
Run time (min)	≥60
Unit W×L×H (mm)	170×250×95

Description	Pk	Cat. No.
PerfectBlue gel system Mini L	1	700-0777

Description	Pk	Cat. No.
Combs for PerfectBlue gel system Mini L		
Standard comb, 1,0 mm, 8 teeth, 47 µl*	1	700-0788
Standard comb, 1,5 mm, 8 teeth, 70 µl*	1	700-0789
Standard comb, 1,0 mm, 16 teeth, 20 µl*	1	700-0780
Standard comb, 1,5 mm, 16 teeth, 30 µl*	1	700-0781
Standard comb, 1,0 mm, 20 teeth, 15 µl*	1	700-0782
Standard comb, 1,5 mm, 20 teeth, 22 µl*	1	700-0783
Standard comb, 1,0 mm, 24 teeth, 11 µl*	1	700-0784
Standard comb, 1,5 mm, 24 teeth, 17 µl*	1	700-0785
Microtitre comb, 1,0 mm, 9 teeth, 27 µl*	1	700-0790
Microtitre comb, 1,5 mm, 9 teeth, 40 µl*	1	700-0791
Microtitre comb, 1,0 mm, 12 teeth, 27 µl*	1	700-0778
Microtitre comb, 1,5 mm, 12 teeth, 40 µl*	1	700-0779
Microtitre comb, 1,0 mm, 25 teeth, 11 µl*	1	700-0786
Microtitre comb, 1,5 mm, 25 teeth, 16 µl*	1	700-0787
Preparative comb, 1,5 mm, 2 teeth, 596/28 µl*	1	700-0795
Accessories		
Casting chamber for max. 3 gels	1	700-0792
Gaskets	1 PAIR	700-0793
Gel tray L12, UV transparent gel tray with gaskets, for up to 12 combs	1	700-0796
Gel tray L4, UV transparent gel tray with gaskets, for up to 4 combs	1	700-0797

*Based on an agarose gel of approximately 5 mm thickness



PERFECTBLUE GEL SYSTEM, MINI L ‘REVOLUTION’

The ‘Revolution’ series includes a 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 is no pH and ionic gradient – without need of mechanical pumps.

System is supplied with 2 combs (12 and 20 teeth, 1,5 mm thickness) as standard.

Model	Mini L Revolution
Gel size W×L (mm)	120×140
Sample capacity	8 – 100
Gel volume (ml)	85*
Buffer volume (ml)	~800
Run time (min)	≥60
Unit W×L×H (mm)	170×250×95

Description	Pk	Cat. No.
PerfectBlue gel system Mini L ‘Revolution’	1	700-0799

Description	Pk	Cat. No.
Combs for PerfectBlue gel system Mini L		
Standard comb, 1,0 mm, 8 teeth, 47 µl*	1	700-0788
Standard comb, 1,5 mm, 8 teeth, 70 µl*	1	700-0789
Standard comb, 1,0 mm, 16 teeth, 20 µl*	1	700-0780
Standard comb, 1,5 mm, 16 teeth, 30 µl*	1	700-0781
Standard comb, 1,0 mm, 20 teeth, 15 µl*	1	700-0782
Standard comb, 1,5 mm, 20 teeth, 22 µl*	1	700-0783
Standard comb, 1,0 mm, 24 teeth, 11 µl*	1	700-0784
Standard comb, 1,5 mm, 24 teeth, 17 µl*	1	700-0785
Microtitre comb, 1,0 mm, 9 teeth, 27 µl*	1	700-0790
Microtitre comb, 1,5 mm, 9 teeth, 40 µl*	1	700-0791
Microtitre comb, 1,0 mm, 12 teeth, 27 µl*	1	700-0778
Microtitre comb, 1,5 mm, 12 teeth, 40 µl*	1	700-0779
Microtitre comb, 1,0 mm, 25 teeth, 11 µl*	1	700-0786
Microtitre comb, 1,5 mm, 25 teeth, 16 µl*	1	700-0787
Preparative comb, 1,5 mm, 2 teeth, 596/28 µl*	1	700-0795
Accessories		
Casting chamber for max. 3 gels	1	700-0792
Gaskets	1 PAIR	700-0793
Gel tray L12, UV transparent gel tray with gaskets, for up to 12 combs	1	700-0796
Gel tray L4, UV transparent gel tray with gaskets, for up to 4 combs	1	700-0797

*Based on an agarose gel of approximately 5 mm thickness



PERFECTBLUE GEL SYSTEM, MIDI S

Capable of rapidly running up to 160 samples, the Midi S is a compact, but highly efficient, electrophoresis system. Versatility is built-in, with six different comb positions and a choice of 10 different comb types and thicknesses available. For rapid handling, special microtitre combs enable rapid loading with a multichannel pipette, while the effective rubber sealed ‘end gates’ allow gel pouring right in the tray. With its sturdy design and straight electrodes, the results are clear, crisp and quick, free from ‘smiling’ bands.

Supplied with 4 combs (1,5 mm thickness, 2×17 and 2×34 teeth), lid, gel tray, tank, cables and ‘end gates’ for gel pouring.

Model	Midi S
Gel size W×L (mm)	150×150
Sample capacity	10 – 160
Gel volume (ml)	~120*
Buffer volume (ml)	~1000
Run time (min)	≥45
Unit W×L×H (mm)	215×275×100

Description	Pk	Cat. No.
PerfectBlue gel system Midi S	1	700-0814

Description	Pk	Cat. No.
Combs for PerfectBlue gel system Midi S and Maxi S Plus		
Standard comb, 1,0 mm, 10 teeth, 30 µl*	1	700-0815
Standard comb, 1,5 mm, 10 teeth, 46 µl*	1	700-0816
Standard comb, 1,0 mm, 20 teeth, 13 µl*	1	700-0817
Standard comb, 1,5 mm, 20 teeth, 20 µl*	1	700-0818
Standard comb, 1,0 mm, 40 teeth, 5 µl*	1	700-0819
Standard comb, 1,5 mm, 40 teeth, 7 µl*	1	700-0820
Microtitre comb, 1,0 mm, 34 teeth, 6 µl*	1	700-0825
Microtitre comb, 1,5 mm, 34 teeth, 9 µl*	1	700-0826
Microtitre comb, 1,0 mm, 17 teeth, 16 µl*	1	700-0827
Microtitre comb, 1,5 mm, 17 teeth, 24 µl*	1	700-0828
Accessories		
Casting dam, aluminium, for shorter gel length	1	700-0821
End gates, for gel pouring	1 PAIR	700-0822
Replacement gaskets for end gates	1 PAIR	700-0823
UV transparent gel tray with end gates (Midi S)	1	700-0829

*Based on an agarose gel of approximately 5 mm thickness



PERFECTBLUE WIDE FORMAT GEL SYSTEM, MIDI EXW

With its extra wide design, the Midi ExW is ideal when there is a need to run lots of samples (up to 200) in just a short distance, for example, when genotyping. This format, along with its compact footprint, offers rapid run times without compromising on power. The result is 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. In addition, gel size can be reduced by using wall combs or the aluminium casting dam.

Each system is supplied with four microtitre combs (1,5 mm thick, 50 teeth), lid, gel tray, tank, cables and end gates for gel pouring.

Model	Midi ExW
Gel size W×L (mm)	230×140
Sample capacity	25 – 200
Gel volume (ml)	160*
Buffer volume (ml)	~1400
Run time (min)	≥45
Unit W×L×H (mm)	260×290×100

Description	Pk	Cat. No.
PerfectBlue wide format gel system Midi ExW	1	700-0842

Description	Pk	Cat. No.
Combs for PerfectBlue wide format gel system Midi ExW		
Microtitre comb, 1,0 mm, 25 teeth, 27 µl*	1	700-0838
Microtitre comb, 1,5 mm, 25 teeth, 40 µl*	1	700-0839
Microtitre comb, 1,0 mm, 26 teeth, 27 µl*	1	700-0831
Microtitre comb, 1,5 mm, 26 teeth, 40 µl*	1	700-0832
Microtitre comb, 1,0 mm, 50 teeth, 11 µl*	1	700-0836
Microtitre comb, 1,5 mm, 50 teeth, 16 µl*	1	700-0837
Accessories		
Casting dam, aluminium, for shorter gel length	1	700-0833
Gel tray with end gates	1	700-0845

*Based on an agarose gel of approximately 5 mm thickness



PERFECTBLUE GEL SYSTEM, MAXI S PLUS

The smallest of the Maxi series, the Maxi S Plus is 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 is supplied with three combs but others are available – either standard combs, or microtitre combs which are ideal for use with multichannel pipettes. Use of the system end gates ensure that gel pouring is leak-free and easy. The levelling table keeps the resulting gel flat, maximising the quality of the run.

Supplied with 3 combs (1,5 mm thickness, 10, 17, 34 teeth), lid, gel tray, 3-point levelling platform, tank, cables and end gates.

Model	Maxi S Plus
Gel size W×L (mm)	150×250
Sample capacity	10 – 160
Gel volume (ml)	200*
Buffer volume (ml)	~1800
Run time (min)	≥60
Unit W×L×H (mm)	230×375×105

Description	Pk	Cat. No.
PerfectBlue gel system Maxi S Plus	1	700-0876

Description	Pk	Cat. No.
Combs for PerfectBlue gel system Midi S and Maxi S Plus		
Standard comb, 1,0 mm, 10 teeth, 30 µl*	1	700-0815
Standard comb, 1,5 mm, 10 teeth, 46 µl*	1	700-0816
Standard comb, 1,0 mm, 20 teeth, 13 µl*	1	700-0817
Standard comb, 1,5 mm, 20 teeth, 20 µl*	1	700-0818
Standard comb, 1,0 mm, 40 teeth, 5 µl*	1	700-0819
Standard comb, 1,5 mm, 40 teeth, 7 µl*	1	700-0820
Microtitre comb, 1,0 mm, 34 teeth, 6 µl*	1	700-0825
Microtitre comb, 1,5 mm, 34 teeth, 9 µl*	1	700-0826
Microtitre comb, 1,0 mm, 17 teeth, 16 µl*	1	700-0827
Microtitre comb, 1,5 mm, 17 teeth, 24 µl*	1	700-0828
Accessories		
Casting dam, aluminium, for shorter gel length	1	700-0821
End gates, for gel pouring	1 PAIR	700-0822
Replacement gaskets for end gates	1 PAIR	700-0823
UV transparent gel tray with end gates (Maxi S Plus)	1	700-0878

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



PERFECTBLUE GEL SYSTEM, MAXI M

Wider than the Maxi S Plus, the Maxi M model can accommodate up to 168 samples but still with an economical footprint.

Supplied with 3 combs (1,5 mm thickness, 16, 24, 36 teeth), lid, gel tray, 3-point levelling platform, end gates, tank and cables.

Model	Maxi M
Gel size W×L (mm)	200×250
Sample capacity	8 – 168
Gel volume (ml)	250*
Buffer volume (ml)	~2300
Run time (min)	≥60
Unit W×L×H (mm)	290×370×100

Description	Pk	Cat. No.
PerfectBlue gel system Maxi M	1	700-0880

Description	Pk	Cat. No.
Combs for PerfectBlue gel system Maxi M		
Microtitre comb, 1,0 mm, 18 teeth, 27 µl*	1	700-0885
Microtitre comb, 1,0 mm, 21 teeth, 27 µl*	1	700-0904
Microtitre comb, 1,0 mm, 42 teeth, 11 µl*	1	700-0902
Microtitre comb, 1,5 mm, 18 teeth, 40 µl*	1	700-0886
Microtitre comb, 1,5 mm, 42 teeth, 16 µl*	1	700-0903
Standard comb, 1,0 mm, 12 teeth, 54 µl*	1	700-0881
Standard comb, 1,0 mm, 16 teeth, 54 µl*	1	700-0883
Standard comb, 1,0 mm, 20 teeth, 30 µl*	1	700-0887
Standard comb, 1,0 mm, 24 teeth, 24 µl*	1	700-0889
Standard comb, 1,0 mm, 28 teeth, 19 µl*	1	700-0891
Standard comb, 1,0 mm, 32 teeth, 15 µl*	1	700-0893
Standard comb, 1,0 mm, 36 teeth, 13 µl*	1	700-0895
Standard comb, 1,0 mm, 8 teeth, 85 µl*	1	700-0897
Standard comb, 1,5 mm, 12 teeth, 82 µl*	1	700-0882
Standard comb, 1,5 mm, 16 teeth, 39 µl*	1	700-0884
Standard comb, 1,5 mm, 20 teeth, 45 µl*	1	700-0888
Standard comb, 1,5 mm, 24 teeth, 37 µl*	1	700-0890
Standard comb, 1,5 mm, 28 teeth, 28 µl*	1	700-0892
Standard comb, 1,5 mm, 32 teeth, 22 µl*	1	700-0894
Standard comb, 1,5 mm, 36 teeth, 20 µl*	1	700-0896
Standard comb, 1,5 mm, 8 teeth, 127 µl*	1	700-0898

Accessories		
Casting dam, aluminium, for shorter gel length	1	700-0899
End gates, for gel pouring	1 PAIR	700-0900
Replacement gaskets for end gates	1 PAIR	700-0901
UV transparent gel tray with end gates	1	700-0907

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



PERFECTBLUE GEL SYSTEM, MAXI M 'REVOLUTION'

Based on the Maxi M model, the Maxi M 'Revolution' offers a built-in 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. In addition, the system can accommodate any of the 23 standard and microtitre comb designs described for the Maxi M model.

Supplied with 3 combs (1,5 mm thickness, 16, 24, 36 teeth), lid, gel tray, 3-point levelling platform, end gates, tank and cables.

Model	Maxi M 'Revolution'
Gel size W×L (mm)	200×250
Sample capacity	8 – 168
Gel volume (ml)	250*
Buffer volume (ml)	~2000
Run time (min)	≥60
Unit W×L×H (mm)	270×380×155

Description	Pk	Cat. No.
PerfectBlue gel system Maxi M 'Revolution'	1	700-0909

Description	Pk	Cat. No.
Combs for PerfectBlue gel system Maxi M		
Microtitre comb, 1,0 mm, 18 teeth, 27 µl*	1	700-0885
Microtitre comb, 1,0 mm, 21 teeth, 27 µl*	1	700-0904
Microtitre comb, 1,0 mm, 42 teeth, 11 µl*	1	700-0902
Microtitre comb, 1,5 mm, 18 teeth, 40 µl*	1	700-0886
Microtitre comb, 1,5 mm, 42 teeth, 16 µl*	1	700-0903
Standard comb, 1,0 mm, 12 teeth, 54 µl*	1	700-0881
Standard comb, 1,0 mm, 16 teeth, 54 µl*	1	700-0883
Standard comb, 1,0 mm, 20 teeth, 30 µl*	1	700-0887
Standard comb, 1,0 mm, 24 teeth, 24 µl*	1	700-0889
Standard comb, 1,0 mm, 28 teeth, 19 µl*	1	700-0891
Standard comb, 1,0 mm, 32 teeth, 15 µl*	1	700-0893
Standard comb, 1,0 mm, 36 teeth, 13 µl*	1	700-0895
Standard comb, 1,0 mm, 8 teeth, 85 µl*	1	700-0897
Standard comb, 1,5 mm, 12 teeth, 82 µl*	1	700-0882
Standard comb, 1,5 mm, 16 teeth, 39 µl*	1	700-0884
Standard comb, 1,5 mm, 20 teeth, 45 µl*	1	700-0888
Standard comb, 1,5 mm, 24 teeth, 37 µl*	1	700-0890
Standard comb, 1,5 mm, 28 teeth, 28 µl*	1	700-0892
Standard comb, 1,5 mm, 32 teeth, 22 µl*	1	700-0894
Standard comb, 1,5 mm, 36 teeth, 20 µl*	1	700-0896
Standard comb, 1,5 mm, 8 teeth, 127 µl*	1	700-0898
Accessories		
Casting dam, aluminium, for shorter gel length	1	700-0899
End gates, for gel pouring	1 PAIR	700-0900
Replacement gaskets for end gates	1 PAIR	700-0901
UV transparent gel tray with end gates	1	700-0907

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



PERFECTBLUE GEL SYSTEM, MAXI L

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

Designed for economy and efficiency, the Maxi L system offers the use of economical partition walls, used to generate smaller gels, and for loading the samples, the microtitre combs allow rapid and error-free loading with multichannel pipettes. Gels can be poured directly into the tray through the use of 'end gates' (no need for 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.

Supplied with 4 combs (1,5 mm thickness, 2× 25 and 2× 50 teeth), lid, gel tray, 3-point levelling platform, end gate, tank and cables.

Model	Maxi L
Gel size W×L (mm)	230×400
Sample capacity	25 – 600
Gel volume (ml)	460*
Buffer volume (ml)	~4500
Run time (min)	≥60
Unit W×L×H (mm)	320×530×100

Description	Pk	Cat. No.
PerfectBlue gel system Maxi L	1	700-0913

Description	Pk	Cat. No.
Combs for PerfectBlue wide format gel system Midi ExW		
Microtitre comb, 1,0 mm, 25 teeth, 27 µl*	1	700-0838
Microtitre comb, 1,5 mm, 25 teeth, 40 µl*	1	700-0839
Microtitre comb, 1,0 mm, 26 teeth, 27 µl*	1	700-0831
Microtitre comb, 1,5 mm, 26 teeth, 40 µl*	1	700-0832
Microtitre comb, 1,0 mm, 50 teeth, 11 µl*	1	700-0836
Microtitre comb, 1,5 mm, 50 teeth, 16 µl*	1	700-0837
Accessories		
Casting dam, aluminium, for shorter gel length	1	700-0833
Gel tray with end gates	1	700-0916
Replacement gaskets for end gates	1 PAIR	700-0915

*Based on an agarose gel of approximately 5 mm thickness



PERFECTBLUE WIDE FORMAT GEL SYSTEM, MAXI EXW

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 multichannel pipettes. By optimising the position of the embedded platinum electrode and the use of the three-point levelling platform, with in-built bubble level, the Maxi ExW provides highly reproducible and dependable sample separation, free from ‘smiling’ effects.

The tray has 10 comb positions accomodating 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 time and money.

Supplied with 4 combs (1,5 mm thickness, 2× 25 and 2× 50 teeth), lid, gel tray, 3-point levelling platform, end gates, tank and cables.

Model	Maxi ExW	
Gel size W×L (mm)	230×250	
Sample capacity	25 – 500	
Gel volume (ml)	290*	
Buffer volume (ml)	~3000	
Run time (min)	≥60	
Unit W×L×H (mm)	300×370×110	

Description	Pk	Cat. No.
PerfectBlue gel system Maxi ExW	1	700-0910

Description	Pk	Cat. No.
Combs for PerfectBlue wide format gel system Midi ExW		
Microtitre comb, 1,0 mm, 25 teeth, 27 µl*	1	700-0838
Microtitre comb, 1,5 mm, 25 teeth, 40 µl*	1	700-0839
Microtitre comb, 1,0 mm, 26 teeth, 27 µl*	1	700-0831
Microtitre comb, 1,5 mm, 26 teeth, 40 µl*	1	700-0832
Microtitre comb, 1,0 mm, 50 teeth, 11 µl*	1	700-0836
Microtitre comb, 1,5 mm, 50 teeth, 16 µl*	1	700-0837
Accessories		
Casting dam, aluminium, for shorter gel length	1	700-0833
Gel tray with end gates	1	700-0911
Replacement gaskets for end gates	1 PAIR	700-0915

*Based on an agarose gel of approximately 5 mm thickness



PERFECTBLUE WIDE FORMAT GEL SYSTEM, MAXI EXW ‘REVOLUTION’

The Maxi ExW ‘Revolution’ offers built-in 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 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 maximum quality and stability.

The Maxi ExW ‘Revolution’ system offers 10 microtitre comb positions with a maximum capacity for 500 samples. The optional wall combs or casting dams enable the gel size to be reduced to pour smaller gels.

Supplied with 4 combs (1,5 mm thickness, 2×25 and 2×50 teeth), lid, gel tray, 3-point levelling platform, end gates, tank and cables.

Model	Maxi ExW ‘Revolution’	
Gel size W×L (mm)	230×250	
Sample capacity	25 – 500	
Gel volume (ml)	290*	
Buffer volume (ml)	~2800	
Run time (min)	≥60	
Unit W×L×H (mm)	300×380×155	

Description	Pk	Cat. No.
PerfectBlue gel system Maxi ExW ‘Revolution’	1	700-0912

Description	Pk	Cat. No.
Combs for PerfectBlue wide format gel system Midi ExW		
Microtitre comb, 1,0 mm, 25 teeth, 27 µl*	1	700-0838
Microtitre comb, 1,5 mm, 25 teeth, 40 µl*	1	700-0839
Microtitre comb, 1,0 mm, 26 teeth, 27 µl*	1	700-0831
Microtitre comb, 1,5 mm, 26 teeth, 40 µl*	1	700-0832
Microtitre comb, 1,0 mm, 50 teeth, 11 µl*	1	700-0836
Microtitre comb, 1,5 mm, 50 teeth, 16 µl*	1	700-0837
Accessories		
Casting dam, aluminium, for shorter gel length	1	700-0833
Gel tray with end gates	1	700-0911
Replacement gaskets for end gates	1 PAIR	700-0915

*Based on an agarose gel of approximately 5 mm thickness