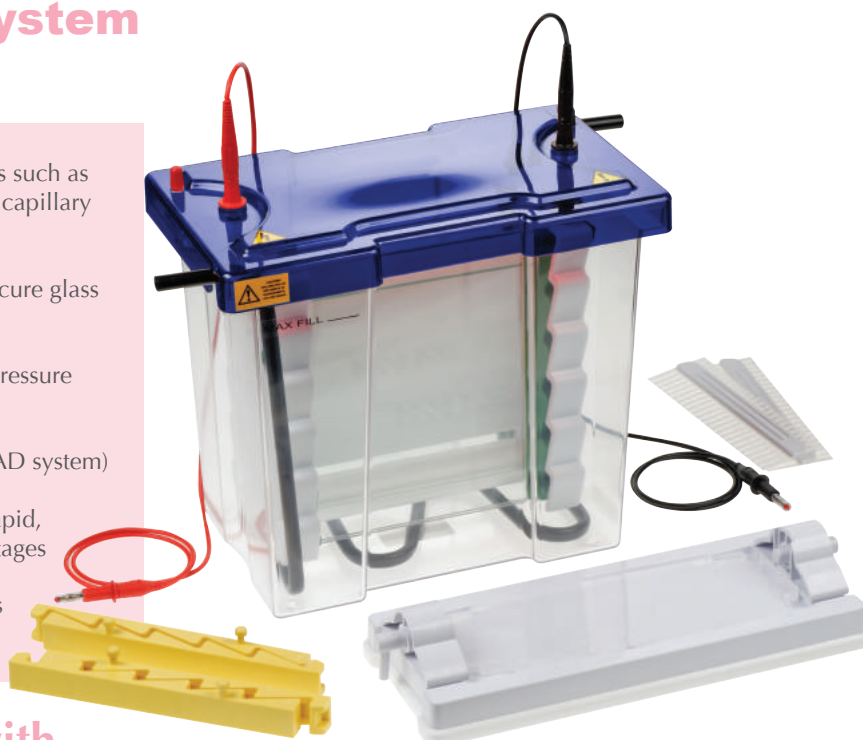


SymphonyW Maxi Vertical Electrophoresis System

HIGHLIGHTS

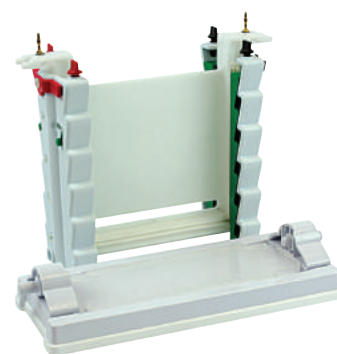
- Versatile system for various applications such as electrophoresis, 1D and 2D SDS-PAGE, capillary tube gel IEF or IPG strips and blotting
- Faster setup with only four screws to secure glass plates
- Vertical screw-clamps distribute even pressure along the height of gel
- Run up to 4 gels simultaneously (TETRAD system)
- Detachable inner cooling coil allows rapid, smile-free electrophoresis at higher voltages
- Injection moulded construction ensures robustness and consistency



Multipurpose system with innovative design ideal for various electrophoresis, 2D and blotting applications

SymphonyW Maxi Vertical Electrophoresis System is a multipurpose system for various applications such as native, gradient and high resolution nucleic acid electrophoresis, first and second-dimension SDS-PAGE as well as capillary tube gel IEF or IPG strips and blotting. It has a unique vertical screw-clamp design within the PAGE insert that only requires four screws to secure up to four 20 x 20 cm gels. This design is advantageous with a faster setup time compared to traditional clamping configuration, with as many as 24 screws to secure just two glass plates. Leakage during casting is prevented by providing even pressure along the height of the gel instead of the centre to eliminate plate bowing and gel compression.

For smile-free electrophoresis and high voltage runs, a detachable inner cooling coil can be connected to the laboratory water supply or recirculating chiller. The system is useful for large format electrophoresis with extended separation distances, high sample throughput and more efficient resolution. A 4-gel TETRAD system is also offered to allow external gel casting while running to save time. The TETRAD system comprises additional plates with spacers, combs, casting base and external casting upstand.



External Casting Upstand is a standard internal module without platinum wire.

TECHNICAL DATA

Specifications	SymphonyW Maxi
Tank dimension (W x D x H)	26 x 16 x 28 cm
Maximum sample	Slab : 192 samples (48 samples/gel) Tube : 10 tubes Blot : 4 blots
Buffer volume	Minimum 1200 ml Maximum 5600 ml

ORDERING INFORMATION

Cat. No	SymphonyW Maxi Vertical Electrophoresis System				
EB-VES-SWMAXI	SymphonyW Maxi, 20 x 20 cm gels: 2 x glass plates with bonded 1 mm spacers, 2 x 24 sample combs, cooling pack, dummy plate and casting base				
EB-VES-SWMAXICU	SymphonyW Maxi, 20 x 20 cm gels: 2 x glass plates with bonded 1 mm spacers, 2 x 24 sample combs, cooling pack, dummy plate, casting base and external casting upstand				
EB-VES-SWMAXITETRAD	SymphonyW Maxi, 20 x 20 cm gels: 2 x glass plates with bonded 1 mm spacers, 2 x 24 sample combs, cooling pack, dummy plate, casting base, external casting upstand, plus 2 x notched glass plates with 1 mm bonded spacers (2/pk) and 2 x 1mm 24-sample combs				
SWMX-EC	SymphonyW Maxi External Casting Upstand, no casting base	SWMX-x-LG	Loading Guides, x=comb well number	SWMX-NG2	20 x 20 cm Notched Glass Plates mm 1.5 bonded spacers (2/pk)
SWMX-CAST	SymphonyW Casting Base	SWMX-NG	20 x 20 cm Notched Glass Plates 4 mm (2/pk)	SWMX-PG2	20 x 20 cm Plain Glass Plates 2 mm bonded spacers (2/pk)
SWMX-PI	SymphonyW Page Insert	SWMX-PG	20 x 20 cm Plain Glass Plates 4 mm (2/pk)	SWMX-DP	Dummy plate, 20 x 20 cm
SWMX-CC	Detachable Cooling Coil	SWMX-NG0.75	20 x 20 cm Notched Glass Plates bonded 0.75 mm spacers	SWMX-SP0.75	20 cm Spacers, 0.75 mm (2/pk)
SWMX-DCAST	20 x 20 cm Dual Caster	SWMX-SP1		SWMX-SP1	20 cm Spacers, 1 mm (2/pk)
SWMX-CASTM	Replacement Rubber Mats for 20 x 20 cm caster	SWMX-SP1.5		SWMX-SP1.5	20 cm Spacers, 1.5 mm (2/pk)
SWMX-IRM	Inner Running Module	SWMX-SP2		SWMX-SP2	20 cm Spacers, 2 mm (2/pk)
SWMX-CP	Maxi Cooling Pack	SWMX-RPW-0.2100		SWMX-RPW-0.2100	Replacement Platinum Wire, 0.2 mm, 100 cm
		SWMX-NG1	20 x 20 cm Notched Glass Plates 1 mm bonded spacers (2/pk)	SWPX-IEFKIT	IEF Conversion for 18 cm IPG strips and tube gels: 1 set of plain glass plates with bonded spacers, 0.6 x 20 cm (WxH), 2 x 2D combs with one 3.5 mm marker lane and one 18 cm preparatory well
		SWMX-PG1	20 x 20 cm Plain Glass Plates 1 mm bonded spacers (2/pk)		
		SWMX-NG1.5	20 x 20 cm Notched Glass Plates 1 mm bonded spacers (2/pk)		
		SWMX-PG1.5	20 x 20 cm Plain Glass Plates 1.5 mm bonded spacers (2/pk)		

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Lab Systems

GEL CASTING MADE EASY

- Versatile system for various applications such as electrophoresis, 1D and 2D SDS-PAGE, capillary tube gel IEF or IPG strips and blotting
- Faster setup with only four screws to secure glass plates
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Assemble each gel cassette on flat surface, by placing the plain glass plate down with the spacers facing upwards followed by the notched glass plates.



Loosen the vertical screw-pins in the PAGE insert to release the locking mechanism. This allows the gel clamps to sit in the resting slots.



Insert a gel cassette into each side of the inner buffer chamber in the PAGE insert and tighten the vertical screw-pins.



Continue to tighten the screw-pins until the gel clamps glide out of the resting slots and fix firmly against the glass plates pushing them upright.



Check the bottom of the glass plates to ensure that they are even together and place the PAGE insert on the casting base. Make sure the cams are facing downwards.

Colour-coded vertical screw-pins to prevent polarity reversal.

Resting slots allow the gel clamps to sit conveniently out of the way, easy loading of the cassettes into the PAGE insert.

Ergonomic 'wave' design provides finger grips for easy handling.

Cam-pins lock PAGE insert onto the ultra-soft silicone mat to provide leak-proof seal.

Flat, even gasket provides leak-proof seal for inner buffer chamber.

Sliding gel clamps available in two thicknesses to accommodate single and double gel cassettes.



Insert cams and turn until tight, drawing the PAGE insert onto the casting to form a leak-proof seal.



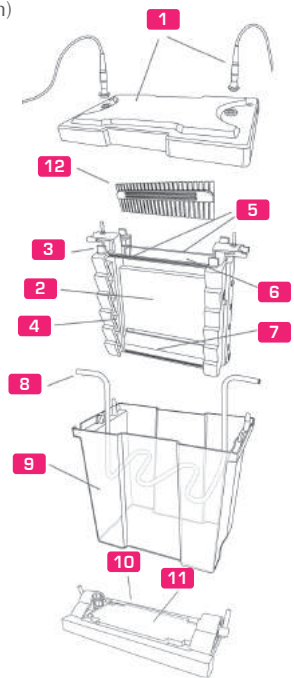
Pour in the gel solution, insert the combs and allow the wells to polymerise.



Transfer the PAGE insert to gel tank. Fill the inner and outer buffer chambers before loading samples.



Place the lid, connect to power supply and run.



SymphonyW Maxi Components

1. Lid and power cables
2. PAGE insert
3. Vertical screw-pin
4. Clamping bars
5. Glass plates
6. Inner bufferchamber
7. Gasket
8. Detachable cooling coil
9. Outer tank
10. Cam-pin caster
11. Ultra-soft silicone mat
12. Combs

ORDERING INFORMATION

Color	Cat. No	Combs for SymphonyW Maxi	Sample Volume per well	Color	Cat. No	Combs for SymphonyW Maxi	Sample Volume per well
Black	SWMX1-0.75	Comb for 1 sample, 1 marker, 0.75 mm thick	110 µL	Red	SWMX1-1.5	Comb for 1 sample, 1 marker, 1.5 mm thick	2200 µL
	SWMX5-0.75	Comb for 5 samples, 0.75 mm thick	160 µL		SWMX5-1.5	Comb for 5 samples, 1.5 mm thick	320 µL
	SWMX10-0.75	Comb for 10 samples, 0.75 mm thick	80 µL		SWMX10-1.5	Comb for 10 samples, 1.5 mm thick	160 µL
	SWMX18MC-0.75	Comb for 18 samples, multichannel, 0.75 mm thick	40 µL		SWMX18MC-1.5	Comb for 18 samples, multichannel, 1.5 mm thick	80 µL
	SWMX24-0.75	Comb for 24 samples, 0.75 mm thick	30 µL		SWMX24-1.5	Comb for 24 samples, 1.5 mm thick	60 µL
	SWMX30-0.75	Comb for 30 samples, 0.75 mm thick	25 µL		SWMX30-1.5	Comb for 30 samples, 1.5 mm thick	50 µL
	SWMX36MC-0.75	Comb for 36 samples, multichannel, 0.75 mm thick	20 µL		SWMX36MC-1.5	Comb for 36 samples, multichannel, 1.5 mm thick	40 µL
	SWMX48-0.75	Comb for 48 samples, 0.75 mm thick	15 µL		SWMX48-1.5	Comb for 48 samples, 1.5 mm thick	30 µL
	Blue	SWMX1-1	Comb for 1 sample, 1 marker, 1 mm thick		1500 µL	Blue	SWMX1-2
SWMX5-1		Comb for 5 samples, 1 mm thick	200 µL	SWMX5-2	Comb for 5 samples, 2 mm thick		400 µL
SWMX10-1		Comb for 10 samples, 1 mm thick	100 µL	SWMX10-2	Comb for 10 samples, 2 mm thick		200 µL
SWMX18MC-1		Comb for 18 samples, multichannel, 1 mm thick	50 µL	SWMX18MC-2	Comb for 18 samples, multichannel, 2 mm thick		100 µL
SWMX24-1		Comb for 24 samples, 1 mm thick	40 µL	SWMX24-2	Comb for 24 samples, 2 mm thick		80 µL
SWMX30-1		Comb for 30 samples, 1 mm thick	35 µL	SWMX30-2	Comb for 30 samples, 2 mm thick		70 µL
SWMX36MC-1		Comb for 36 samples, multichannel, 1 mm thick	25 µL	SWMX36MC-2	Comb for 36 samples, multichannel, 2 mm thick		50 µL
SWMX48-1		Comb for 48 samples, 1 mm thick	20 µL	SWMX48-2	Comb for 48 samples, 2 mm thick		40 µL

* All models include casting dams, loading guides