

SymphonyPAGE Vertical Electrophoresis Systems SELECTION GUIDE

Hercuvan's SymphonyPAGE Vertical Gel Electrophoresis Systems are designed by scientists who believe in making research simpler and more effective with integrated systems.

SymphonyPAGE Electrophoresis. The name implies a unified system comprising all essential components from universal tank and lids to interchangeable insert modules, with thoughtful designs to ease daily operation, saving time and cost. The system enables different applications for protein and nucleic acid analyses such as PAGE, first and second-dimension gel electrophoresis and blotting.

Tank and Lid Design



Tanks and lids are built for robustness, safety, durability and longevity. The advantages of injection moulded design are leak-proof with minimal evaporation.

Easy lid removal

Lid design with thumb locators allows easy lid removal and reduces wear and tear on the electrode plugs.

Electrical safety

Lid removal immediately disconnects electrical current to the lower buffer chamber to allow completely safe access to the gel.

Casting System



Unique sliding-clamp technology – Allows easy and rapid setup of handcast and precast gels.

Dual-purpose PAGE inserts – Eliminates time-consuming transfer of glass plates between separate casting and running modules. The caster locks PAGE insert onto the soft silicone mat within casting base to provide leak-proof seal.



Combs and Spacers



Wide catalogue of **colour coded combs spacers by four thicknesses** - meet virtually every application from preparatory electrophoresis to high-throughput screening.

Black (0.75mm) for tightly resolved bands

White (1mm) supplied as standard

Red (1.5mm) to maximise sample volume

Blue (2mm) to maximise sample volume

Black and White combs are suitable for high resolution gels and publication quality data, red and blue to scale-up nucleic acid volumes for preparatory techniques.

Glass Plates



Glass plates – Robust scientific grade glass plates. Two thicknesses: 2 mm thick for SymphonyPAGE MINI and 4 mm thick for SymphonyW.

Notched glass plates with bonded spacer options

– May be used with standard plain glass plate with 1 mm bonded spacer and notched glass plates to double gel capacity of the PAGE insert which allows a maximum of 4 gels to be run.

Hercuvan

Lab Systems

Wave System



Resting slots – allow gel clamps to sit conveniently out of the way for gel cassette loading.

Novel vertical screw-clamp technology – Utilizes only 4 screws for faster set up compared to traditional large format system.

Ergonomic ‘wave’ design of PAGE insert – provides convenient finger grips for easy handling.

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

Gel Release Tool



Gel release tool – quickly and easily releases glass plates from PAGE insert.

Cool Packs



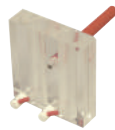
Cool packs – Ensure enhanced resolution without costly and time-consuming additional equipment. Simply pre-chill in freezer and place within the gel tank. It also reduces buffer volume.

Glass Plate Rack



For safe drying and storage of glass plate racks

Gradient Mixers



For creating gradient gels.

Power Cables



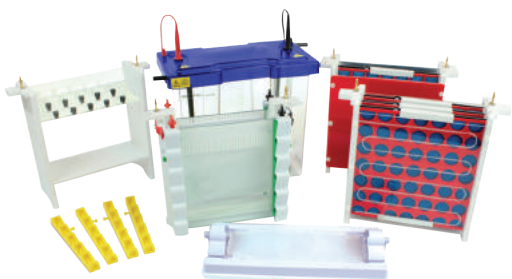
4mm standard connections are **compatible with most modern low-to-medium power supplies**. Adapters can be supplied for complete power supply compatibility.

Multicasters



Allows casting of multiple identical gels, up to 24 at a time.

2D and Blotting Options



Available as standalone add-ons or part of fully integrated electrophoresis systems.

Modular blotting inserts for SymphonyPAGE MINI and W systems use the tank and lid of the corresponding PAGE system to perform fast and efficient blotting of maximum 4 gels; high-intensity plate electrode option available for SymphonyPAGE MINI and W.

Capillary tube gel inserts utilize the same tank and lid of corresponding PAGE system for reproducible 2D electrophoresis; isoelectric focusing (IEF) of up to 10 capillary tube gels may be completed in as little as 3.5 hours. Optional IPG converter kits modify PAGE gels to accommodate commercial IPG strips.

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SymphonyPAGE

Mini		W Maxi	
Run 1-4 handcast gels and up to 2 precast gels in mini format	Small and compact unit saves cost by reducing buffer and reagent usage	Run 1-4 large format gels at maximum resolution	Optional blotting insert supplied with additional tank and life for a dedicated 4-gel blotting system and plate electrodes for rapid transfer also available
Two-in-one insert system for both gel casting and running eliminates time-consuming transfer of fragile gels	Modular design for rapid turnaround of data which allows PAGE, 2D and blotting to be completed within a working day	Innovative vertical screw-clamp technology provides uniform pressure along the height of glass plates, ensuring leak-proof seal, without gel compression and bowing, leading to even sample migration	Detachable cooling coil provides fast and 'smile-free' gel electrophoresis
Sliding clamp assembly allows rapid set up and leak-proof operation	Ideal for discovery projects and evaluation of sample preparing conditions	Fewer screws compared to traditional formats making set up easy and fast	Seamless injection moulded design provides leak-proof operation compared to glue joints
			Capacity to run 1-4 18 cm capillary tube gels or IPG strips in second dimension with optional 2D module

Compatible Gel Formats

Precast	Commercial 10 x 10 cm and 10 x 8 cm (WxH) precast gels: e.g. Thermo, Invitrogen, SERVA, Novex, IDGel™ etc.	
Handcast	Mini glass plates with or without bonded spacers	W Maxi plain and notched glass plates with or without bonded spacers for handcast gels

Electrophoresis System

Standard	2 gel systems	
Precast (tank, lid and running insert only)	SymphonyPAGE Mini SPMN-PRE SymphonyPAGE Mini EB-VES-SPMINI	
Tapecast (includes glass plates)	SymphonyPAGE Mini EB-VES-SPMINISYS	
Handcast (with glass plates and caster)	SymphonyPAGE Mini EB-VES-SPMINICU	
Handcast (with extra casting stand and plates to run 2 gels in tank, while casting 2 simultaneously)		SymphonyPAGE Maxi EB-VES- SWMAXICU
Gel dimension (WxH)	8 x 8.5 cm	16 x 17.5 cm
Available gel thickness	0.75, 1, 1.5 and 2 mm	0.75, 1, 1.5 and 2 mm
Compatible electroblotting transfer systems integrated modular	SymphonyBLOT Mini VSPMINICBS	SymphonyBLOT Maxi SWMAXICBS
Standalone wet/tank transfer	SymphonyBLOT Mini SPMINICBS for 4- blot transfer	SymphonyBLOT Maxi SWMAXIBL