

Vertical Units





Our EVS3xxx vertical systems allow for fine resolution of protein or nucleic acid fragments on one or two acrylamide gels (PAGE). PAGE separation offers the superior resolution necessary to separate native or denatured proteins and nucleic acids in applications such as SSCP or dinucleotide repeat analysis using western blotting and also for automated protein sequencing analysis.

All three models in the EV3xxx series incorporate inspired design features and exceptional manufacturing methods that ensure dependable performance over years of continuous use. A comprehensive offering of combs and accessories, plus the compatibility of the EVS3100 with most commercially available pre-cast mini gels, ensures maximum system utility to exceed the separation demands of most research laboratories.

High Performance

- Exceptional resolution.
- Rugged trouble-free construction.
- All units run one or two gels.
- 10x10 unit compatible with most pre-cast gels.
- Rapid and efficient cast-in-place gel casting system.
- Unique electrode configuration for straight, rapid runs.
- Efficient temperature regulation prevents band distortion.

Convenient & Versatile

- Upper buffer chamber acts as heat sink to provide uniform temperature across gel and reduce smiling.
- Units available with ports for attachment to external cooling systems.
- Wide range of comb configurations, including multi-channel capability.
- Reliable clamping system for no-leak casting and running.
- Optional gel caster for pre-casting gels while system is in use.
- Wide range of combs and accessories.

Safe & Reliable

- High quality, rugged acrylic construction, resists cracking and warping.
- Your safety ensured with interlocking lid.
- Corrosion resistant contacts and gold plugs for years of reliable service.
- Meets or exceeds IEC1010-1 standards.

Outstanding Features Ensure Trouble-Free Use

- Robust Acrylic Construction Stands up to Daily Usage without Breakage, Warping or Leakage
- Rugged, Spring-Loaded Clamp Mechanism, Alignment Pins & Hollow Gaskets Guarantee Reliable Leak-Proof Gel Installation
- Precision Glass Plates Provide Exceptional Flatness and Finished Edges to Ensure Uniform Separation
- Casting Base Enables Casting Directly on the Upper Buffer Chamber Obviating Need to Move Gels once Polymerized
- Intelligent Design Results in Exceptional Resolution
- Electrode Configuration Assures Uniform Field, Straight Lanes and Rapid Runs – Saving Time and Improving Data Generation Rate
- Proximal Upper Buffer Chamber Exploits Specific Heat of Aqueous Buffer to Provide Uniform Temperature and No Smiling
- Efficient Water Cooling System, Available on All Systems, Prevent Band Distortion.
- Optional Notched Alumina Plates available for the mini 10 cm x 10cm unit Enhance Heat Dissipation.

Wide Variety of Options Maximize Product Versatility

- Devices available for three Gel Sizes, Including the wide mini EVS3200 that Accommodate 72 Samples, Supporting Most PAGE Applications.
- Optional Additional Upper Buffer Chambers Allow for Simultaneous Use of the Twin Systems – Improving Data Output Rate.
- Non-Cooled 10cm x 10cm & 20cm x 10cm Upper Buffer Chambers Available.
- Wide Selection of Combs, plus Glass and Blocking Plates Available for All Units.
- Units are Compatible with Pre-cast Acrylamide Gels from Most Manufacturers and Vertical Agarose (VAGE) Separation.

Gel dimensions	10x10cm
Buffer volume	400
Gel volume (at 0.5cm)	6-15ml
Sample Capacity	30
Unit Dimensions	17x14x12 cm
Running condition	15-35mA/gel
Integrated Water Cooling System	
Spring-Loaded Clamp Mechanism	
Warranty	36 months

Recommended power supply
EV2650
EV3150



Description

The EVS3100 is compatible with most pre-cast gels and can run one or two gels and has an integrated water cooling system.

Features

High Performance.
 Exceptional resolution.
 Rugged trouble-free construction.
 Rapid and efficient gel casting system.
 Unique electrode configuration for straight, rapid runs.
 Efficient temperature regulation prevents band distortion.
 Wide range of combs and accessories available.

Ordering codes

Complete System

Code	Description
EVS3100-SYS	Mini vertical unit 2 sets of plain glass plates 1 set of notched glass plates 2 sets of 0.8mm spacers 1 casting base 1 extra replacement gasket for upper buffer chamber 1 dummy plate 1 spacer tool 2 combs: 10 sample, 0.8 mm thick

Combs

Code	Description	Sample volume
EVS3100-C6-0.8	0.8 mm thick, 6 sample	142 µl
EVS3100-C10-0.8	0.8 mm thick, 10 sample	73 µl
EVS3100-C12-0.8	0.8 mm thick, 12 sample	55 µl
EVS3100-C6-1.5	1.5 mm thick, 6 sample	266 µl
EVS3100-C10-1.5	1.5 mm thick, 10 sample	136 µl
EVS3100-C12-1.5	1.5 mm thick, 12 sample	103 µl

Microtiter Combs

Code	Description	Sample volume
EVS3100-CMT9-0.8	0.8 mm thick, 9 sample MC	84 µl
EVS3100-CMT9-1.5	1.5 mm thick, 9 sample MC	160 µl

Replacement parts & Accessories

Code	Description
EVS3100-BASE	Gel casting base, 10 cm
EVS3100-BASEGASKET	Replacement gasket for casting base
EVS3100-UBDGASKET	Replacement gasket for upper buffer chamber
EVS3100-DUMMY	Dummy plate
EVS3100-NGLASS	Notched glass plates, 10x10 cm, 2.4 mm thick (set of 2)
EVS3100-GLASS	Glass plates, 10x10 cm, 2.4 mm thick (set of 2)
EVS3100-ALU	Notched aluminium backer plate for improved cooling
EVS3100-SP-0.8	Spacers, 0.8 mm thick (set of 2)
EVS3100-SP-1.5	Spacers, 1.5 mm thick (set of 2)

Gel dimensions	20x10cm
Buffer volume	800
Gel volume (at 0.5cm)	15-30ml
Sample Capacity	72
Unit Dimensions	28x15x13 cm
Running condition	15-45mA/gel
Integrated Water Cooling System	
Spring-Loaded Clamp Mechanism	
Warranty	36 months

Recommended power supply
EV2650
EV3150



Description

The EVS3200 is a wide format system, accommodates large sample numbers and has an integrated water cooling system.

Features

High Performance.
 Runs one or two gels.
 Rugged trouble-free construction.
 Unique electrode configuration for straight, rapid runs.
 Efficient temperature regulation prevents band distortion.
 Wide range of combs and accessories available.
 Rapid and efficient gel casting system.

Ordering codes

Complete System

Code	Description
EVS3200-SYS	Wide vertical unit 2 sets of plain glass plates 2 set of notched glass plates 4 sets of 0.8mm spacers 1 casting base 1 extra replacement gasket for upper buffer chamber 1 dummy plate 1 spacer tool 2 combs: 15 sample, 0.8 mm thick 2 combs: 20 sample, 0.8 mm thick

Combs

Code	Description	Sample volume
EVS3200-C10-0.8	0.8 mm thick, 10 sample	239 µl
EVS3200-C15-0.8	0.8 mm thick, 15 sample	144 µl
EVS3200-C20-0.8	0.8 mm thick, 20 sample	97 µl
EVS3200-C25-0.8	0.8 mm thick, 25 sample	69 µl
EVS3200-C10-1.5	1.5 mm thick, 10 sample	449 µl
EVS3200-C15-1.5	1.5 mm thick, 15 sample	271 µl
EVS3200-C20-1.5	1.5 mm thick, 20 sample	182 µl
EVS3200-C25-1.5	1.5 mm thick, 25 sample	129 µl

Microtiter Combs

Code	Description	Sample volume
EVS3200-CMT18-0.8	0.8 mm thick, 18 sample MC	78 µl
EVS3200-CMT36-1.5	1.5 mm thick, 36 sample MC	156 µl
EVS3200-CMT18-0.8	0.8 mm thick, 18 sample MC	32 µl
EVS3200-CMT36-1.5	1.5 mm thick, 36 sample MC	64 µl

Replacement parts & Accessories

Code	Description
EVS3200-BASE	Gel casting base, 20 cm
EVS3200-BASEGASKET	Replacement gasket for casting base
EVS3200-UBDGASKET	Replacement gasket for upper buffer chamber
EVS3200-DUMMY	Dummy plate
EVS3200-NGLASS	Notched glass plates, 20x10 cm, 3.2 mm thick (set of 2)
EVS3200-GLASS	Glass plates, 20x10 cm, 3.2 mm thick (set of 2)
EVS3200-ALU	Notched aluminium backer plate for improved cooling
EVS3200-SP-0.8	Spacers, 0.8 mm thick (set of 2)
EVS3200-SP-1.5	Spacers, 1.5 mm thick (set of 2)

Gel dimensions	20x20cm
Buffer volume	1300
Gel volume (at 0.5cm)	25-49ml
Sample Capacity	50
Unit Dimensions	30x24x16 cm
Running condition	15-75mA/gel
Integrated Water Cooling System	
Spring-Loaded Clamp Mechanism	
Warranty	36 months

Recommended power supply
EV2650
EV3150



● Description

The EVS3300 is a large format system, accommodates large sample numbers and has an integrated water cooling system.

Features

High Performance.
 Runs one or two gels.
 Rugged trouble-free construction.
 Unique electrode configuration for straight, rapid runs.
 Efficient temperature regulation prevents band distortion.
 Wide range of combs and accessories available.
 Rapid and efficient gel casting system.

● Ordering codes

Complete System

Code	Description
EVS3300-SYS	Maxi vertical unit 2 sets of plain glass plates 2 set of notched glass plates 4 sets of 0.8mm spacers 1 casting base 1 extra replacement gasket for upper buffer chamber 1 dummy plate 1 spacer tool 2 combs: 15 sample, 0.8 mm thick 2 combs: 20 sample, 0.8 mm thick

Combs

Code	Description	Sample volume
EVS3300-C10-0.8	0.8 mm thick, 10 sample	239 µl
EVS3300-C15-0.8	0.8 mm thick, 15 sample	144 µl
EVS3300-C20-0.8	0.8 mm thick, 20 sample	97 µl
EVS3300-C25-0.8	0.8 mm thick, 25 sample	69 µl
EVS3300-C10-1.5	1.5 mm thick, 10 sample	449 µl
EVS3300-C15-1.5	1.5 mm thick, 15 sample	271 µl
EVS3300-C20-1.5	1.5 mm thick, 20 sample	182 µl
EVS3300-C25-1.5	1.5 mm thick, 25 sample	129 µl

Replacement parts & Accessories

Code	Description
EVS3300-BASE	Gel casting base, 20 cm
EVS3300-BASEGASKET	Replacement gasket for casting base
EVS3300-UBDGASKET	Replacement gasket for upper buffer chamber
EVS3300-DUMMY	Dummy plate
EVS3300-NGLASS	Notched glass plates, 20x20 cm, 3.2 mm thick (set of 2)
EVS3300-GLASS	Glass plates, 20x20 cm, 3.2 mm thick (set of 2)
EVS3300-ALU	Notched aluminium backer plate for improved cooling
EVS3300-SP-0.8	Spacers, 0.8 mm thick (set of 2)
EVS3300-SP-1.5	Spacers, 1.5 mm thick (set of 2)

Cassette size	9 x 9
Cassette capacity	4
Buffer Volume (ml)	1300
Unit Dimensions	13x15x15 cm
Recommended voltage	150V
Warranty	36 months
Recommended power supply	EV2310

- Outstanding Features Ensure Trouble” Free Use**
- Robust Acrylic Construction Stands up to Daily Usage without Breakage, Warping or Leakage
 - Gold Plated Electrodes, Corrosion Free and Rated
 - Safe up to 1,000 volts
 - Safety Cover with attached Power Cords Assures Safety and Prevents Reverse Orientation of Electric Field

- Intelligent Design Results in Exceptional Resolution**
- Efficient Water Cooled Base
 - Color Coded Cassettes Obviate Accidental Sample Loss



● Description

The EVS3100-BLOT Tank Electro”Blotter is designed to rapidly transfer nucleic acid or protein fragments from up to four poly-acrylamide gels at one time to nitrocellulose, nylon or PVDF membranes. The colorcoded cassettes allow for easy assembly of transfer sandwich and error free transfer.

The large buffer capacity allows for high current output for the transfer of high molecular weight proteins while integral cooling permits high voltages and extended transfers. System is compatible with transfer membranes and blotting paper from all suppliers.

This tank style electroblotter provides reliable and efficient transfer of a wide range of protein coumpounds from acrylamide gels. Up to four gels can be transfered simultaneously. Platinum grid style electrodes and robust construction assure even and complete molecular transfer and long service life. System is supplied complete with power leads and four blotting cassettes.

● Ordering codes

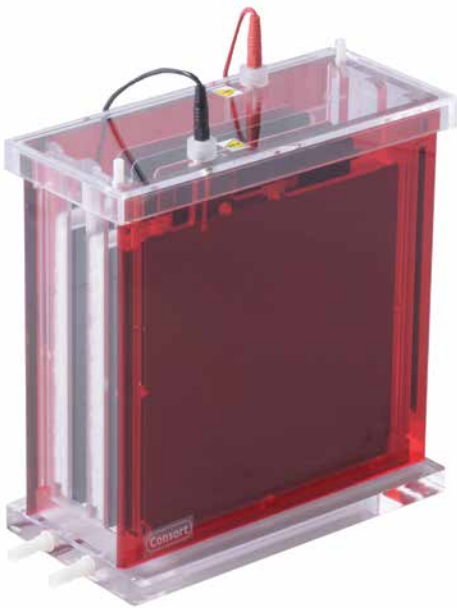
Code	Description
EVS3100-BLOT	Mini Tank Blotter (10x10cm) with 4 cassettes
EVS3100-CASSETTE	Transfer Cassette with Pads
EVS3100-FIBREPAD	Replacement Blotting Pads, 4 per pack



Cassette size	18 x 20
Cassette capacity	2
Buffer Volume (ml)	4000
Unit Dimensions	22x12.5x9 cm
Recommended voltage	150V
Warranty	36 months
Recommended power supply	EV3150

- Outstanding Features Ensure Trouble” Free Use**
- Robust Acrylic Construction Stands up to Daily Usage without Breakage, Warping or Leakage
 - Gold Plated Electrodes, Corrosion Free and Rated
 - Safe up to 1,000 volts
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● Ordering codes

Code	Description
EVS3300-BLOT	Maxi Tank Blotter (20x20cm) with 2 cassettes
EVS3100-CASSETTE	Transfer Cassette with Pads
EVS3100-FIBREPAD	Replacement Blotting Pads, 4 per pack



- Quick & Efficient
- Convenient & Versatile
- Safe & Reliable

Quick transfer times make these systems ideal for the rapid and efficient transfer of nucleic acids and proteins from agarose or acrylamide gels.

Solid plate style electrodes assure even pressure and complete molecular transfer.

Galileo semi-dry electroblotters will accomodate most pre-cast gels, and for many larger format pre-cast gels, once the stacking area of the gel is removed the “working” area of will also fit easily into the devices. Since only the tranfer “sandwich” of gel, membrane and blotting papers must be kept wet, much less buffer is required than traditional tank transfer systems.

Interlocking safety lid prevents reverse orientation of electric filed. High quality plate electrodes (stainless steel cathode and platinum anode) and gold plated components assure long, trouble-free performance. System is supplied complete with power leads and a sample pack of our ultra-pure cotton fiber filter paper.



Code	Description
ESDB3100	Semi Dry Electroblotter, 11x11cm blotting area
ESDB3200	Semi Dry Electroblotter, 21x21cm blotting area
EV2310	Power supply, 300 V, 1000 mA, 150 W
EV3020	Power supply, 300 V, 2000 mA, 300 W

About Vertical Electrophoresis

Preventing leaking gels

The two most important things to be aware of when casting gels using the caster systems are:

- that the glass plates have been inserted into the casting or gel running module on a flat surface.
- that the spacers are flush with the bottom edges of the glass plates.

Perfect alignment of spacers can be guaranteed using the new glass plates with bonded spacers.

Overcome polymerisation problems

If you are experiencing problems obtaining good polymerisation adjacent to spacers and combs then this can be overcome by pre-soaking the combs and spacers in distilled water or a 10% solution of ammonium persulphate.

Avoiding over-tightening

Over-tightening the cam pins on the casting systems is a common cause of problems when using these units. Cams should only be tightened just until appreciable pressure is felt.

Extracting the tube gel

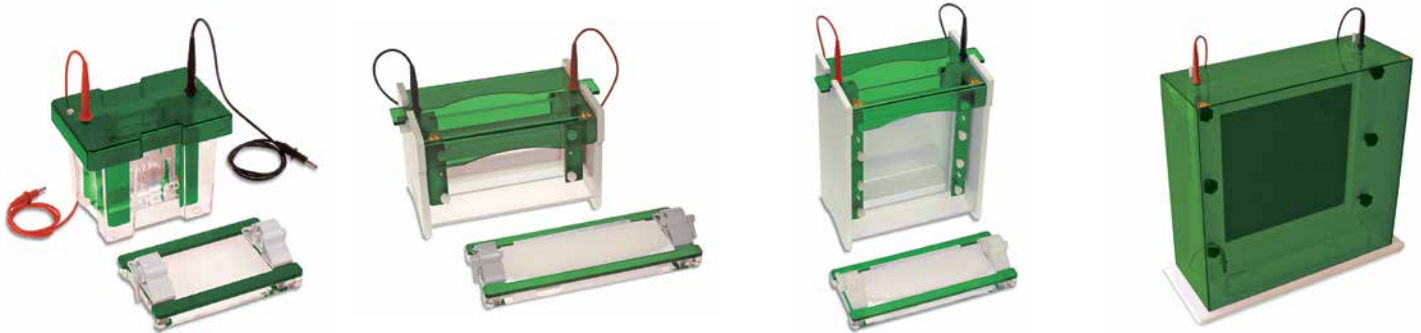
Tube gel electrophoresis can be difficult because of problems with extracting the tube gel from the capillary tube. The tube gel is best extracted by gently pipetting liquid behind the tube gel and then catching it in the Gel extraction platform.

Enhance transfer

If the gel blot sandwich is too thick, this may bow the cassette causing loss of contact between gel and membrane resulting in poor transfer. The thickness of the blot can be lessened by removing the fibre pad on the non-membrane side of the blot.

EVS1000 series

Vertical units



● Overview

Low cost

Injection moulded construction

Durable, leak-proof environment for complete safety and long life.

Easy to use

Leak proof "Plug and Go" casting dams allow gels to be rapidly cast externally while the tank remains in use for electrophoresis.

Plate dimensions	10x10 cm
Gel dimensions	7.5x8 cm
Number of gels	1 to 4
Buffer volume	250 ml to 1200 ml
Sample Capacity	80 (20 per gel)
Unit Dimensions	19x13x15 cm
Warranty	12 months

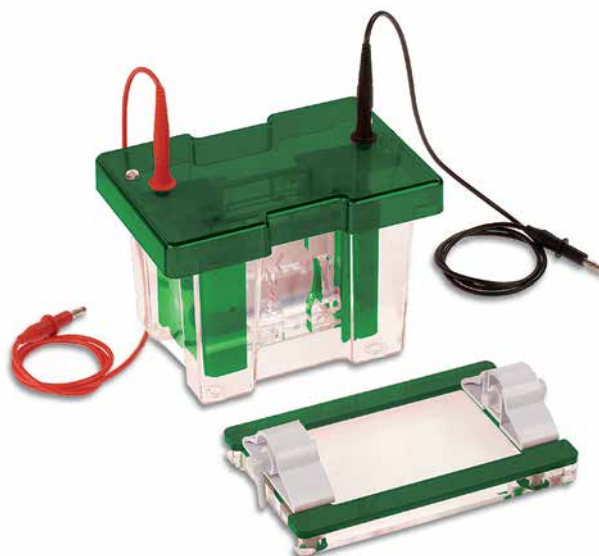
Recommended power supply

EV1450

EV2310

EVS1100 is constructed using the latest injection moulding manufacturing techniques. This gives a high quality, low cost product with unsurpassed finish, durability and strength.

The unit incorporates a sealing system which is compatible with all major types of 8x10 cm and 10x10 cm pre-cast gel. Runs up to four 1 mm thick gels. Gel casting and running utilise the same insert, no transfer of glass plates during gel casting is necessary. The insert allowing very rapid set up of both hand cast and pre-cast gels. Reversible gasket for use with Bio-Rad 'non-eared' or short glass plates. Accessory electro-blotting and tube gel modules are available which use the same outer tank and lid.



● Ordering codes

Code	Description
EVS1100-SYS	Mini vertical unit, 2 sets of glass plates with bonded 1 mm thick spacers cooling pack, dummy plate, casting base 2 combs: 12 sample, 1 mm thick, 12 samples

Combs

Code	Description	Sample volume
EVS1100-C5-1.0	1 mm thick, 5 sample	100 µl
EVS1100-C9-1.0	1 mm thick, 9 sample	50 µl
EVS1100-C10-1.0	1 mm thick, 10 sample	40 µl
EVS1100-C12-1.0	1 mm thick, 12 sample	35 µl
EVS1100-C20-1.0	1 mm thick, 20 sample	20 µl
EVS1100-C5-1.5	1.5 mm thick, 5 sample	140 µl
EVS1100-C9-1.5	1.5 mm thick, 9 sample	70 µl
EVS1100-C10-1.5	1.5 mm thick, 10 sample	60 µl
EVS1100-C12-1.5	1.5 mm thick, 12 sample	50 µl
EVS1100-C20-1.5	1.5 mm thick, 20 sample	30 µl

Replacement parts & Accessories

Code	Description
EVS1100-BASE	Gel casting base, 10 cm
EVS1100-SILMAT	Replacement silicone mat for gel casting base, 10 cm
EVS1100-GELINSERT	Inner running module
EVS1100-COOL	Mini cooling pack
EVS1100-NGLASS	Notched glass plates, 10x10 cm, 2 mm thick, pk/2
EVS1100-GLASS	Glass plates, 10x10 cm, 2 mm thick, pk/2
EVS1100-GLASS-SP-1	Glass plates, 10x10 cm, + 1 mm bonded spacers, pk/2
EVS1100-GLASS-SP-1.5	Glass plates, 10x10 cm, + 1.5 mm bonded spacers, pk/2
EVS1100-DUMMY	Dummy plate, 10x10 cm
EVS1100-SP-1.0	Spacers, 1 mm thick, 10 cm, pk/2
EVS1100-SP-1.5	Spacers, 1.5 mm thick, 10 cm, pk/2

Plate dimensions	20x10 cm
Gel dimensions	18x8 cm
Number of gels	1 to 4
Buffer volume	600 ml to 2800 ml
Sample Capacity	192 (48 per gel)
Unit Dimensions	26x16x16 cm
Warranty	12 months

Recommended power supply

EV2310

EV2650

EVS1200 allows double the number of samples to be resolved as the mini unit. This allows consistency of sample comparison on a single gel and is designed for those with greater than 20 samples to compare and resolve. Simple set up using ultra soft silicone seals guarantees trouble free glass plate loading and gel casting. Dual gaskets on the gel running insert along with notched and plain glass plates ensure leak proof gel running. Rapid set up cooling retains resolution in extended separations and also saves on buffer volume. 4 mm thick glass plates prevent breakage and have bonded spacers for convenience.



● Ordering codes

Code	Description
EVS1200-SYS	Mini-wide vertical unit, 2 sets of glass plates with bonded 1 mm thick spacers cooling pack, dummy plate, casting base 2 combs: 12 sample, 1 mm thick, 24 samples

Combs

Code	Description	Sample volume
EVS1300-C5-1.0	1 mm thick, 5 sample	200 µl
EVS1300-C10-1.0	1 mm thick, 10 sample	100 µl
EVS1300-C24-1.0	1 mm thick, 24 sample	40 µl
EVS1300-C30-1.0	1 mm thick, 30 sample	35 µl
EVS1300-C48-1.0	1 mm thick, 48 sample	20 µl
EVS1300-C5-1.5	1.5 mm thick, 5 sample	320 µl
EVS1300-C10-1.5	1.5 mm thick, 10 sample	160 µl
EVS1300-C24-1.5	1.5 mm thick, 24 sample	60 µl
EVS1300-C30-1.5	1.5 mm thick, 30 sample	50 µl
EVS1300-C48-1.5	1.5 mm thick, 48 sample	30 µl

Replacement parts & Accessories

Code	Description
EVS1300-BASE	Gel casting base, 20 cm
EVS1300-SILMAT	Replacement silicone mat for gel casting base, 20 cm
EVS1200-GELINSERT	Inner running module
EVS1300-COOL	Maxi cooling pack
EVS1200-NGLASS	Notched glass plates, 20x10 cm, 4 mm thick, pk/2
EVS1200-GLASS	Glass plates, 20x10 cm, 4 mm thick, pk/2
EVS1200-GLASS-SP-1.0	Glass plates, 20x10 cm, + 1 mm bonded spacers, pk/2
EVS1200-GLASS-SP-1.5	Glass plates, 20x10 cm, + 1.5 mm bonded spacers, pk/2
EVS1200-DUMMY	Dummy plate, 20x10 cm
EVS1100-SP-1.0	Spacers, 1 mm thick, 10 cm, pk/2
EVS1100-SP-1.5	Spacers, 1.5 mm thick, 10 cm, pk/2
EPT50	Replacement platinum wire, 0.2 mm thick, 50 cm

Plate dimensions	20x20 cm
Gel dimensions	16x17.5 cm
Number of gels	1 to 4
Buffer volume	1200 ml to 5600 ml
Sample Capacity	192 (48 per gel)
Unit Dimensions	30x18x27 cm
Warranty	12 months

Recommended power supply

EV2650

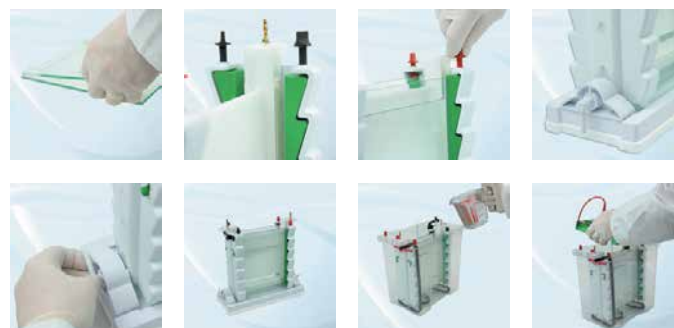
EV3150

EV3020

EVS1300 is designed to perform a variety of separations, including first- and second-dimension SDS-PAGE, native, preparative, gradient and high-resolution nucleic acid electrophoresis, plus capillary tube gel IEF and electro-blotting.

By introducing innovative, new vertical leak-free casting with vertical screw-pin technology only four screws are now necessary to secure as many 20x20 cm gels. Glass plates compress gently against a flat, level gasket to prevent current leakage from the inner buffer chamber during electrophoresis.

Detachable inner cooling coil connects to the laboratory water supply or a recirculating chiller to provide uniform, smile-free electrophoresis, while allowing runs to be performed at higher voltage. 4 mm thick glass plates reduce breakage and have bonded spacers for added convenience. Prep combs can be used to maximize sample loading and recovery. Accessory electro-blotting and tube gel modules are available which use the same outer tank and lid.



Ordering codes

Code	Description
EVS1300-SYS	Maxi vertical unit, 2 sets of glass plates with bonded 1 mm thick spacers cooling coil, dummy plate, casting base, 2 combs: 24 sample, 1 mm thick

Combs

Code	Description	Sample volume
EVS1300-C5-1.0	1 mm thick, 5 sample	200 µl
EVS1300-C10-1.0	1 mm thick, 10 sample	100 µl
EVS1300-C24-1.0	1 mm thick, 24 sample	40 µl
EVS1300-C30-1.0	1 mm thick, 30 sample	35 µl
EVS1300-C48-1.0	1 mm thick, 48 sample	20 µl
EVS1300-C5-1.5	1.5 mm thick, 5 sample	320 µl
EVS1300-C10-1.5	1.5 mm thick, 10 sample	160 µl
EVS1300-C24-1.5	1.5 mm thick, 24 sample	60 µl
EVS1300-C30-1.5	1.5 mm thick, 30 sample	50 µl
EVS1300-C48-1.5	1.5 mm thick, 48 sample	30 µl

Replacement parts & Accessories

Code	Description
EVS1300-BASE	Gel casting base, 20 cm
EVS1300-SILMAT	Replacement silicone mat for gel casting base, 20 cm
EVS1300-GELINSERT	Inner running module
EVS1300-COOL	Maxi cooling pack
EVS1300-NGLASS	Notched glass plates, 20x20 cm, 4 mm thick, pk/2
EVS1300-GLASS	Glass plates, 20x20 cm, 4 mm thick, pk/2
EVS1300-GLASS-SP-1.0	Glass plates, 20x20 cm, + 1 mm bonded spacers, pk/2
EVS1300-GLASS-SP-1.5	Glass plates, 20x20 cm, + 1.5 mm bonded spacers, pk/2
EVS1300-DUMMY	Dummy plate, 20x20 cm
EVS1300-SP-1.0	Spacers, 1 mm thick, 20 cm, pk/2
EVS1300-SP-1.5	Spacers, 1.5 mm thick, 20 cm, pk/2
EPT50	Replacement platinum wire, 0.2 mm thick, 50 cm

These systems include all modules and accessories required for slab gel electrophoresis, 2-D electrophoresis and electro-blotting.

The central component is the mini vertical unit, mini-wide vertical unit or maxi vertical unit. These include a rapid and intuitive casting system, enhanced and easy to set up cooling system and have increased capacity (can run up to four gels per run).

In addition, the tube gel module is capable of resolving up to 10 first dimension gels and the electro-blotting module has a four blot (mini) or three blot (mini-wide and maxi) capacity.

Each of these techniques benefits from rapid set up cooling packs which provide enhanced resolution even during high intensity 2-D electrophoresis and electro-blotting.

All replacement parts and accessories of the corresponding vertical units can also be used for these systems.

Recommended power supply: EV3020

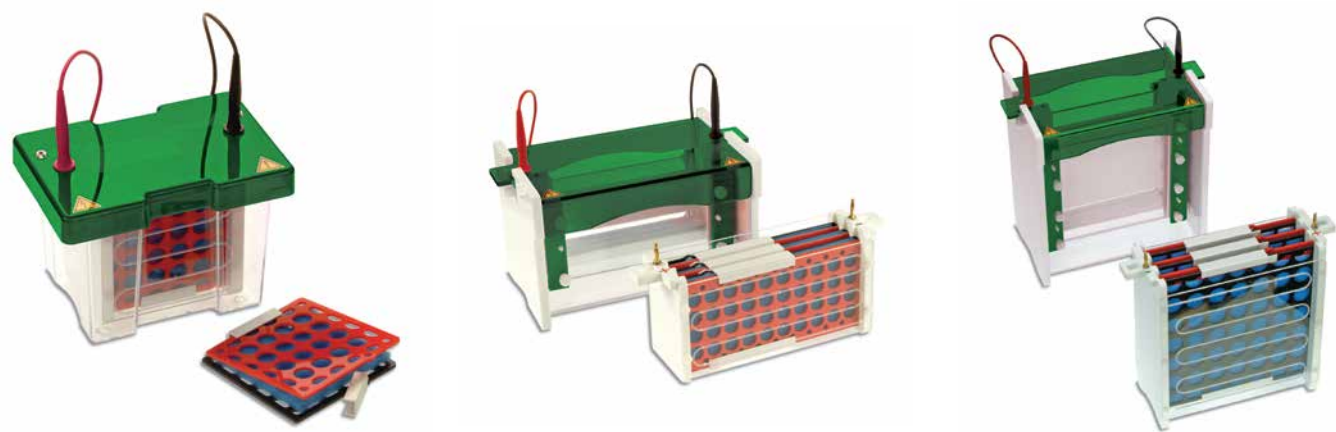


● Ordering codes

Code	Description
EVS1100-MULTI	Modular system: EVS1100-SYS + capillary module + electro-blotting module + 2 sets of glass plates with bonded 1 mm thick spacers + 2 combs, 1 mm thick, 12 samples + cooling pack + dummy plate + casting base + 100 capillary tubes (1 mm int. diameter) + blanking plugs + 4 compression cassettes 10x10 cm + 8 fibre pads
EVS1200-MULTI	Modular system: EVS1200-SYS + capillary module + electro-blotting module + 2 sets of glass plates with bonded 1 mm thick spacers + 2 combs, 1 mm thick, 24 samples + cooling pack + dummy plate + casting base + 100 capillary tubes (1 mm int. diameter) + blanking plugs + 3 compression cassettes 20x10 cm + 6 fibre pads
EVS1300-MULTI	Modular system: EVS1300-SYS + capillary module + electro-blotting module + 2 sets of glass plates with bonded 1 mm thick spacers + 2 combs, 1 mm thick, 24 samples + cooling coil + dummy plate + casting base + 100 capillary tubes (1 mm int. diameter) + blanking plugs + 3 compression cassettes 20x20 cm + 6 fibre pads

Replacement parts & Accessories

Code	Description
EVS1100-TUBE-1.0	Mini capillary tubes, 1 mm internal diameter, 8 mm, pk/100
EVS1100-TUBE-1.5	Mini capillary tubes, 1.5 mm internal diameter, 8 mm, pk/100
EVS1100-TUBEPORT	Capillary blanking ports pk/10
EVS1300-TUBE-1.0	Maxi capillary tubes, 1 mm internal diameter, 17 mm, pk/100
EVS1100-BLOTINSERT	Mini blot insert + 4 cassettes 10x10 cm + 8 fibre pads
EVS1100-CASSETTE	Mini blot cassette, 10x10 cm
EVS1100-FIBREPAD	Mini fibre pads, 10x10 cm, pk/6
EVS1100-TUBEINSERT	Mini tube gel insert + 100 capillary tubes (1 mm int. diameter)
EVS1200-BLOTINSERT	Mini-wide blot insert + 3 cassettes 20x10 cm + 6 fibre pads
EVS1200-CASSETTE	Mini-wide blot cassette, 20x10 cm
EVS1200-FIBREPAD	Mini-wide fibre pads, 20x10 cm, pk/6
EVS1200-TUBEINSERT	Mini-wide tube gel insert + 100 capillary tubes
EVS1200-BLOTINSERT	Maxi blot insert + 3 cassettes 20x20 cm + 6 fibre pads
EVS1300-CASSETTE	Maxi blot cassette, 20x20 cm
EVS1300-FIBREPAD	Maxi fibre pads, 20x20 cm, pk/6
EVS1300-TUBEINSERT	Maxi tube gel insert + 100 capillary tubes (1 mm int. diameter)



These stand-alone, complete units for electro-blotting, mini, mini-wide and maxi formats, include vertical tank and lid, electro-blotting insert, cassettes and fibre pads.

Units are interchangeable with the vertical slab and tube gel inserts.

Hinged rigid cassettes allow rapid set up and convenience and ensure even contact between the gel and membrane is maintained.

Recommended power supply: EV3020

● Ordering codes

Code	Description
EVS1100-BLOT	Mini blotter: tank & lid + 4 cassettes 10x10 cm + 8 fibre pads + cooling pack
EVS1200-BLOT	Mini-wide Blotter: tank & lid + 3 cassettes 20x10 cm + 6 fibre pads + cooling pack
EVS1300-BLOT	Maxi blotter: tank & lid + 3 cassettes 20x20 cm + 6 fibre pads + cooling pack

Replacement parts & Accessories

Code	Description
EVS1100-BLOTINSERT	Mini blot insert + 4 cassettes 10x10 cm + 8 fibre pads
EVS1100-CASSETTE	Mini blot cassette, 10x10 cm
EVS1100-FIBREPAD	Mini fibre pads, 10x10 cm, pk/6
EVS1200-BLOTINSERT	Mini-wide blot insert + 3 cassettes 20x10 cm + 6 fibre pads
EVS1200-CASSETTE	Mini-wide blot cassette, 20x10 cm
EVS1200-FIBREPAD	Mini-wide fibre pads, 20x10 cm, pk/6
EVS1200-BLOTINSERT	Maxi blot insert + 3 cassettes 20x20 cm + 6 fibre pads
EVS1300-CASSETTE	Maxi blot cassette, 20x20 cm
EVS1300-FIBREPAD	Maxi fibre pads, 20x20 cm, pk/6