



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) |