

# Блоттеры и модульные вертикальные гелевые системы Enduro Semi Dry/VE10/VE20

## Технические характеристики

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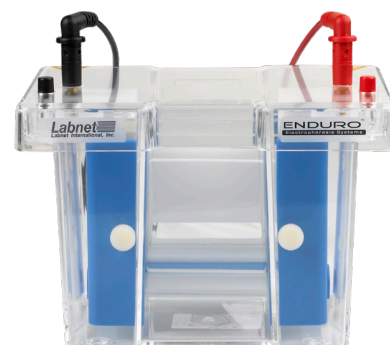
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# Enduro™ VE10 Vertical Gel System

Labnet's Enduro modular mini Vertical Gel System for protein electrophoresis is ideal for screening new samples and evaluating sample preparation conditions. It is a great research tool that can run a maximum of 4 gels within an hour. These gels can be either handcast or precast. The same system allows for either PAGE or Electroblotting to be carried out in the same tank by changing the insert.

Each VE10 Vertical Gel System can accommodate up to 4 handcast gels and 2 commercial precast gels to provide complete flexibility for individual research needs. The unique sliding clamp technology within the PAGE insert facilitates fast, intuitive leak-free casting. Reversible combs also serve as loading indicators to aid pipet-well alignment, preventing sample loading errors. Insert your comb into a freshly poured gel which is allowed to set before inverting the comb to use a loading template that sits conveniently above the newly formed sample wells.

With easy set up and reliable performance, the VE10 Vertical systems are perfect for today's laboratories where the ability to generate reproducible results quickly is of prime importance.

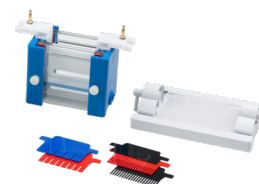


## Specifications

Number of gels (handcast)	1 to 4
Precast gel compatibility (Up to 2 Gels/Run)	Novex®, SERVAGel™, Thermo Precise, Pierce Protein Gel, Bio-Rad Mini PROTEAN® Precast gels.
Glass plate dimensions (W x H x D)	3.94 x 3.94 x 0.08 in. (10 x 10 x 0.2 cm)
Gel dimensions (W x H)	8 x 8.5 cm
Total buffer volume	250 to 1200 mL
Standard run time for SDS-page	1 to 2 hours at from 90-225V
Dimensions (W x D x H)	7.5 x 5.1 x 5.9 in. (19 x 13 x 15 cm)
Weight	4 lbs. (1.8 kg)

## Ordering Information

Cat. No.	Description
E2010-PA	Enduro VE10 PAGE system, includes PAGE insert, buffer tank with leads and cooling pack
E2010-PBA	Enduro VE10 PAGE system with electroblotting module (E2010-BM + E2010-PA)
E2010-PC	Enduro PAGE casting system
E2010-BM	Enduro VE10 electroblotting module for use with VE10 vertical gel system, includes 4 cassettes and 8 fiber pads



Enduro PAGE casting

# Enduro™ VE20 Vertical Gel System

The Enduro VE20 is Labnet's large format vertical gel electrophoresis system. Designed to perform a variety of separations, including first and second-dimension SDS-PAGE, native, preparative, gradient, high-resolution nucleic acid electrophoresis and electroblotting, the VE20 is one of the most versatile large format vertical systems available.

The VE20 distinguishes itself in its flexibility of applications, ease of gel casting and set-up requiring only 4 screws to secure 4 (16 x 17.5 cm) gels. The VE20 vertical screw-clamp configuration distributes pressure evenly along the height of the gel rather than in the center to eliminate plate bowing and gel compression. The new configuration still maintains a leak-proof seal during casting; while the ergonomic wave-like design of the PAGE insert aids both handling and set up.

Whether it is running 2 or 4 gels, electroblotting or IEF using IPG strips, all of these techniques may be performed using the same base unit while retaining the benefits provided by large format electrophoresis, such as extended separation distances, greater sample throughput, and superior resolution. Whatever your large format gel requirements are, the VE20 can be made to meet them.



## Specifications

Number of gels	1 to 4
Total volume inner buffer chamber	640 mL
Total buffer volume for 2 gels	5.3L
Total buffer volume for 4 gels	4.8L
Plate dimensions (W x H x D)	7.88 x 7.87 x 0.16 in. (20 x 20 x 0.4 cm)
Standard spacer dimensions (W x H)	0.78 x 7.88 in. (2 x 20 cm)
IPG spacer dimensions (W x H)	0.24 x 7.88 in. (0.6 x 20 cm)
Std run time without cooling	4 to 5 hours
Std run time with cooling	3 to 4 hours
Dimensions (W x H x D)	11.8 x 10.6 x 7 in. (30 x 27 x 18 cm)
Weight	5.5 lbs. (2.5 kg)

## Ordering Information

Cat. No.	Description
E2020	Enduro VE20 Vertical Gel System includes glass plates, 2 x 24-well combs, cooling coil, and casting base
E2020-CU	Enduro VE20 Dual Casting System 2 sets of glass plates, 1 mm thick bonded spacers, 2 x 24-well 1 mm thick combs, cooling coil, dummy plate and caster with external casting

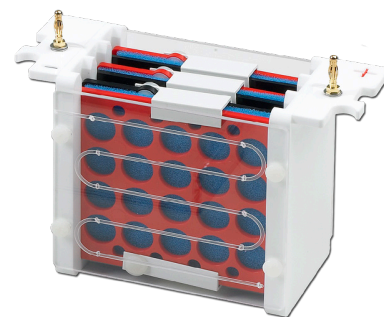
## Accessories

Cat. No.	Description
E2120-EC	Enduro VE20 external casting stand
E2120-CAST	Enduro VE20 casting base
E2120-PI	Enduro VE20 PAGE insert
E2120-CC	Enduro VE20 detachable cooling coil
E2120-RM	Enduro VE20 replacement rubber mats for 20 x 20 cm caster
E2120-MCB	Enduro VE20 maxi cooling block
E2120-CC	Enduro VE20 detachable cooling coil
E2120-LD	VE20 lid (no cables)

# Enduro™ VE10 Blotter

This Enduro VE10 Blotter has a 4 mini gel (10 x 10 cm) capacity and can be purchased either as a stand-alone tank blotter or part of an integrated mini-gel/blotting system utilizing one shared tank.

This electroblotting system includes tank, blotting inserts, and 4 cassettes with fiber pads.



## Specifications

Number of gels (handcast)	1 to 4
Precast gel compatibility (up to 2 gels/run)	Novex®, SERVAGel™, Thermo Precise, Pierce Protein Gel, Bio-Rad Mini PROTEAN® Precast gels.
Glass plate dimensions (W x H x T)	3.94 x 3.94 x 0.08 in. (10 x 10 x 0.2 cm)
Gel dimensions (W X H)	3.15 x 3.35 in. (8 x 8.5 cm)
Total buffer volume	250 to 1200 mL
Standard run time for SDS-page	1 to 2 hours at from 90-225V
Dimensions (W x D x H)	7.5 x 5.1 x 5.9 in. (19 x 13 x 15 cm)
Weight	4 lbs. (1.8 kg)

## Ordering Information

Cat. No.	Description
E2010-BT	Enduro VE10 Electroblotting System, includes tank, blotting insert, and 4 cassettes

## Accessories

Cat. No.	Description
E2010-BM	Mini Vertical Electroblotting Module for use with mini vertical gel system, includes 4 cassettes and 8 fiber pads
E2010-PM*	Mini Vertical PAGE module for use with mini vertical gel system, Glass plates, combs, and caster not included
E2110-B-MC	Blotting Cassette
E2110-B-FP	Fiber Blotting Pads, pack of 8 pads
E2110-CP	Mini Cooling Pack for use with mini vertical gel system

\* tes, combs, and caster not included.

# Enduro™ VE20 Blotter

The Enduro VE20 Blotter has a large capacity that can hold up to 16 mini-gels or 4 large format gels. The VE20 blotting system provides all necessary components for performing transfers from vertical slab gels. It comes with tank, lid, platinum wire electrodes, 4 cassettes, 18 fiber pads, and cooling coil. It has interchangeable modular inserts that can combine with VE20 vertical PAGE to use the same universal tank and lid. Complete flexibility is provided as the VE20 can be run with most power settings required. It can perform overnight transfers at voltages as low as 35V and rapid, high-intensity transfers up to 200V in 1 to 2 hours.

The VE20 comes standard with platinum wire electrodes 8 cm apart for increased capacity. A high intensity insert with plate electrodes 4 cm apart for rapid transfers is also available (Cat. No. E2020-HITB). The detachable cooling coil, which connects to the laboratory water supply or a recirculating chiller, prevents buffer depletion to allow overnight transfers and fast high-intensity blots. It also maintains the low temperatures important for protein stability during native transfers. The open design and rigid cassettes maximize current transfer and eliminate 'shadow band' formation. Color-coded cassettes prevent polarity reversal ensuring proper blotting. This is a well-thought-out high capacity tank blotter and a great value.



## Specifications

Number of gels	1 to 4
Total volume inner buffer chamber	640 mL
Total buffer volume for 2 gels	5.3L
Total buffer volume for 4 gels	4.8L
Plate dimensions (W x H x D)	7.88 x 7.88 x 0.16 in. (20 x 20 x 0.4 cm)
Standard spacer dimensions (W x H)	0.79 x 7.88 in. (2 x 20 cm)
IPG spacer dimensions (W x H)	0.24 x 7.88 in. (0.6 x 20 cm)
Std run time without cooling	4 to 5 hours
Std run time with cooling	3 to 4 hours
Dimensions (W x H x D)	11.8 x 10.6 x 7 in. (30 x 27 x 18 cm)
Weight	5.5 lbs. (2.5 kg)

## Ordering Information

Cat. No.	Description
E2020-TB	Enduro VE20 Blotting System, system including tank and lid, 4 cassettes, 18 fiber pads, cooling coil

## Accessories

Cat. No.	Description
E2020-TBI	Enduro VE20 Maxi platinum wire blotting inset, 4 x compression cassettes and 18 x fiber pads
E2120-TBC	Enduro VE20 Blot Maxi cassette
E2120-TBFP	Fiber pads, pack of 6
E2020-HITB	Enduro VE20 HS Blotting System, high intensity system including tank and lid, 1 cassette, 6 fiber pads, cooling coil
E2120-CC	Enduro VE20 detachable cooling coil
E2120-LD	VE20 lid (no cables)
E2120-T	VE20 tank

# Enduro™ Semi Dry Blotter

The Enduro Semi Dry Blotter offers rapid transfer times for DNA, RNA, and protein blotting – typically 15 to 30 minutes. Western, Northern, and Southern blotting can be easily accomplished via uncomplicated buffer and set up procedures. The Semi Dry Blotter is compatible with gel thicknesses from 0.25 mm up to 10 mm without the need for additional equipment.

The Semi Dry Blotter has the added benefit of economic transfers due to very low buffer volumes – typically only a few milliliters of buffer is required per transfer. The Semi Dry Blotter utilizes a screw down lid, which secures the blot sandwich and allows complete control of pressure ensuring even transfer. The electrodes, comprising platinum-coated anode and stainless steel cathode, will exhibit practically no corrosion therefore providing many years of trouble-free use. Uniform heat dispersion across the blot sandwich ensures stable transfer times and no heat-induced sample loss or transfer distortions. Electrode plates are fully separated to prevent arcing or damage.

## Specifications

### Sample capacity

4 blots	8 x 8.5 cm
2 blots	16 x 8.5 cm
1 blot	16 x 17.5 cm

Recommended current	8 mA/cm <sup>2</sup>
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Active transfer area	20 x 20 cm
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Buffer volume	20 mL
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Run time	15 to 30 min
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Dimensions (W x D x H)	12.8 x 9.8 x 2.2 in. (32.5 x 25 x 5.5 cm)
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Weight	3 lbs. (1.4 kg)
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## Ordering Information

Cat. No.	Description
E2020-SDB	Enduro Semi Dry Blotter for western, southern, and northern blotting
E2020-SDBPS	Enduro Semi Dry Blotter, 250V power supply kit, 115V
E0203	Enduro 250V Power Supply, 120V
E0203-230V	Enduro 250V Power Supply, 230V, EU and UK plug



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