

CGTTCCTCC AAGCCGTGTT GTCTCTTACC
GTCTC TCGCTACTGC
ATTCTTACA TACTATA CTACACAATA

LABNET INTERNATIONAL, INC.

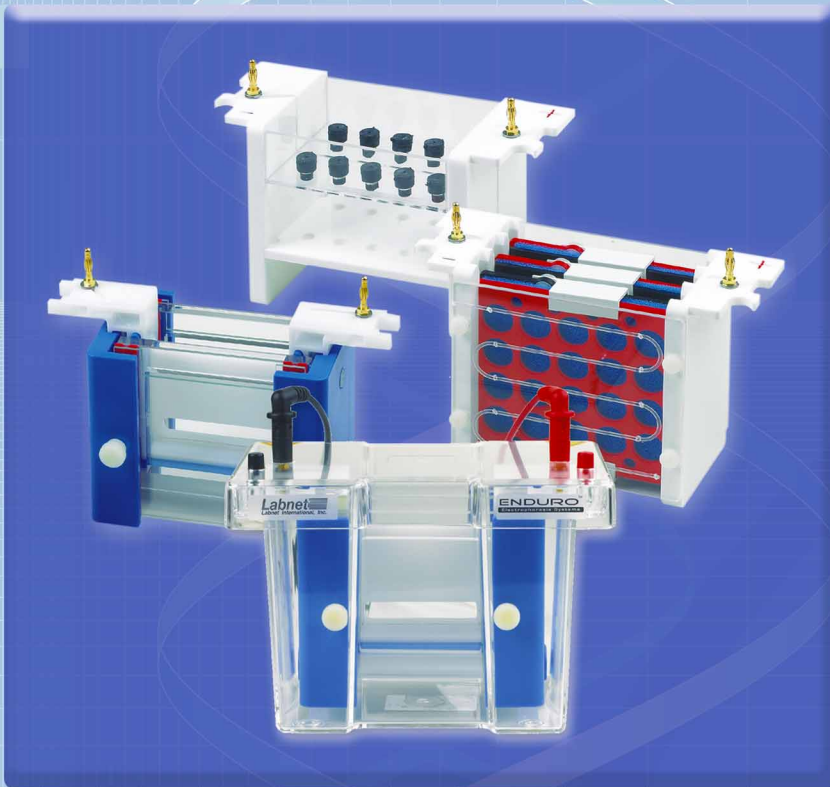
LABNET ENDURO™ GEL SYSTEMS AND POWER STATION™ POWER SUPPLIES

Labnet
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**ENDURO MODULAR
VERTICAL SYSTEMS FOR**

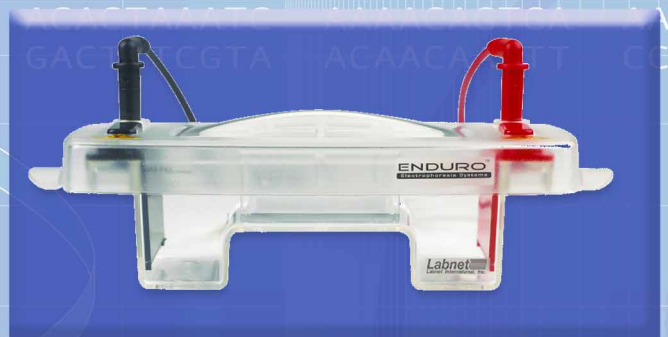
- PAGE
- 2D ELECTROPHORESIS
- ELECTROBLOTTING



AGCCCTGTT GTCTCTTACC CGGATGTTCA ACCAAAAGCT ACTTACTACC TTTATT
ACTTGCTC TCGCTACTGC CGTGCAACAA TACTACTA
TATACTATA CTACACAATA CATAATCACT GACTTCGTA ACAACAATT CCTTCAC

ENDURO HORIZONTAL SYSTEMS

- SIX SIZES TO MEET A VARIETY OF NEEDS
- WIDE RANGE OF ACCESSORIES
- IDEAL FOR USE WITH POWER STATION POWER SUPPLIES



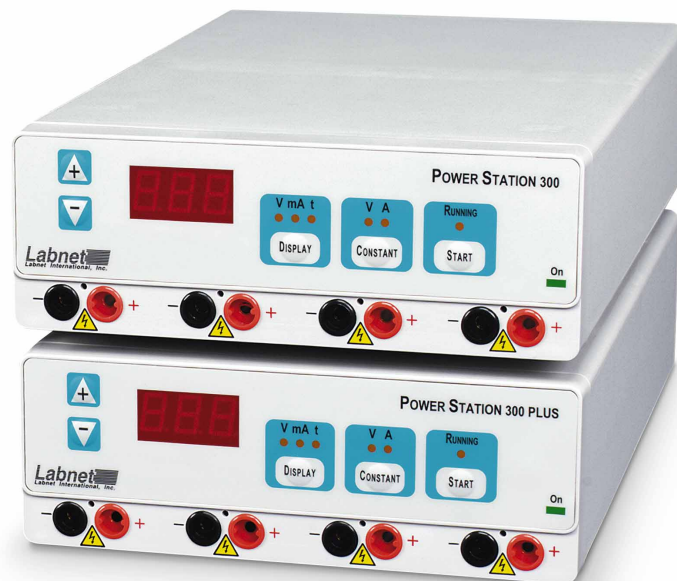
Power Station™ Power Supplies

- ❑ Simple to program
- ❑ Constant voltage or constant current
- ❑ Automatic crossover
- ❑ Compact, lightweight and stackable

Power Station power supplies are ideal for DNA, RNA and protein electrophoresis as well as blotting. They provide a high degree of sophistication and versatility yet are extremely easy to program. Three models are available to meet a variety of user needs.

Intelligent control

Feedback loops are utilized to maintain tight control over operating parameters. A number of safety features are incorporated into the software including automatic crossover, no load detection, sudden load change and over voltage protection. Operation of the power supplies can be timed or continuous and up to four gels can be run at the same time.



Constant voltage or constant current

Output can be set to either constant voltage or constant current with automatic crossover when the preset limit for either parameter is reached. In the event of a power failure, the power supply can be programmed to resume upon restoration of power.

Easy to use

Power Station power supplies feature simple and straight forward programming. Operating parameters, including voltage, current and time are set using the membrane keypad and large digital display. Four sets of output terminals allow simultaneous running of multiple gels from the same power supply. A retractable stand allows the unit to be placed at an angle for easier viewing and access.

Model	Voltage/inc.	Current/inc.	Applications
Power Station 200	5-200VDC, 1V	.01-2A, .01A	SDS-PAGE, 2D electrophoresis, blotting
Power Station 300	10-300VDC, 1V	4-400mA, 1mA	SDS-PAGE, submarine electrophoresis
Power Station 300 Plus	10-300VDC, 1V	4-500mA, 1mA	SDS-PAGE, submarine electrophoresis

SPECIFICATIONS

Output type	Constant voltage or constant current with automatic crossover
Timer	0 to 999 minutes
Display	3 digit LED
Output Terminals	four, parallel
Dimensions	13 x 8.7 x 2.9 in./33 x 22 x 7.4 cm
Weight	
Power Station 200	2.2 kg/4.3 lb
Power Station 300	1.9 kg/4.2 lb

ORDERING INFORMATION

Catalog No.	Description
E-0200	<i>Power Station 200™ power supply, 5 to 200VDC, .01 to 2A output, 110V input</i>
E-0300	<i>Power Station 300™ power supply, 10 to 300VDC, 4 to 400mA output, 110V input</i>
E-0301	<i>Power Station 300 Plus™ power supply, 10 to 300VDC, 4 to 500mA output, 110V input</i>

220V input voltage units also available. To order, add -220V to catalog number above.

Enduro™ Modular Vertical PAGE System

- ❑ Modular Design
- ❑ PAGE, Electroblotting and 2D Electrophoresis
- ❑ Quick and easy set up
- ❑ Wide range of accessories

Labnet's Enduro Vertical PAGE System is modular - allowing PAGE, electroblotting and 2D gel electrophoresis to be carried out in the same tank, simply by changing the inserts. Users can purchase only the parts they need, or a complete combined system for a cost savings over buying all three systems separately.

Modular System

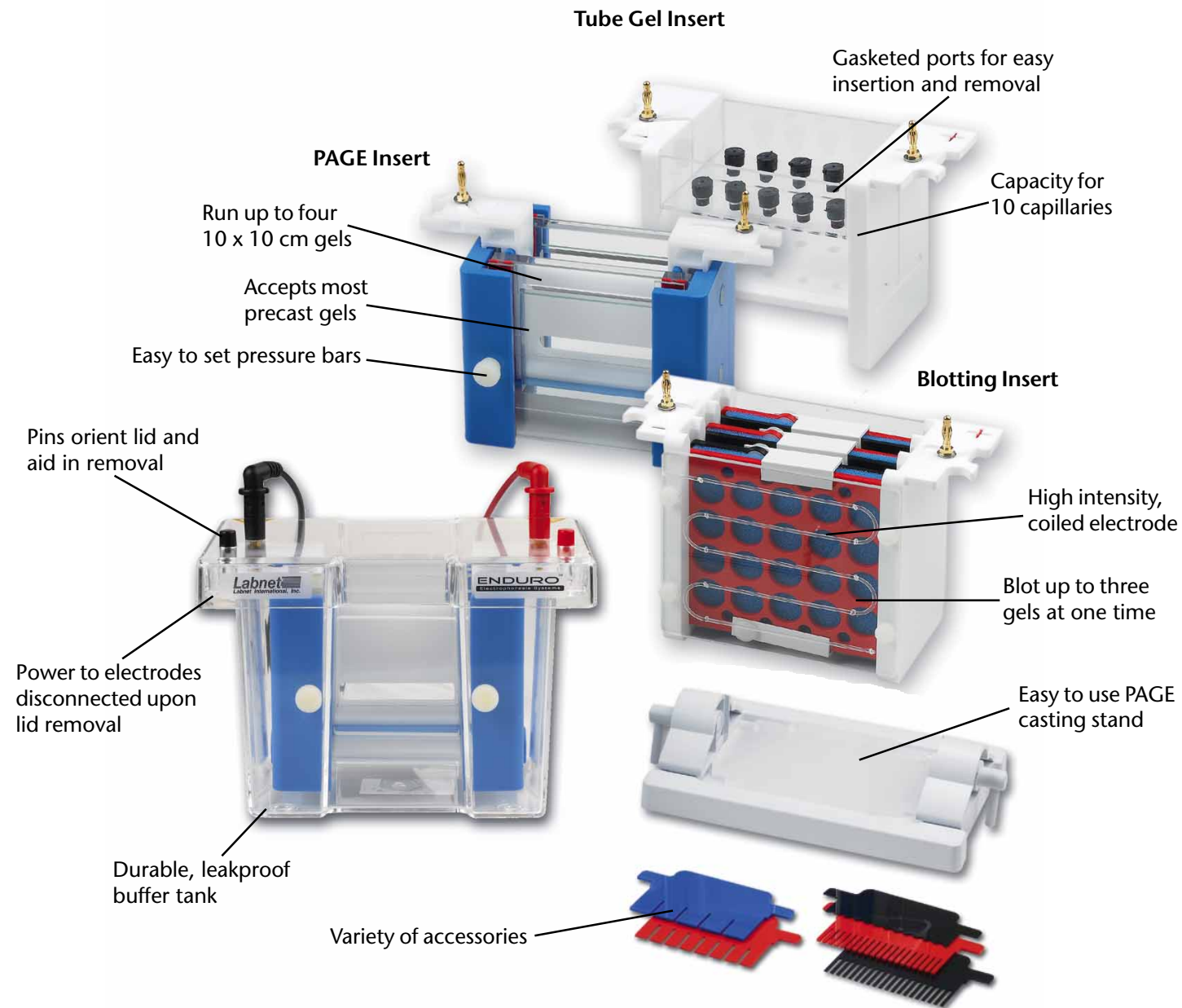
The modularity of the Enduro System is based on three operational inserts and a common buffer tank. All three inserts, PAGE, electroblotting and 2D electrophoresis, have their own electrode assembly that connects into the lid of the buffer tank.

PAGE Insert

Set up of gels is quick and easy with the PAGE insert. A set of plates are placed on either side of the insert and held into place by the pressure bar. An additional gel may be run on each side by stacking the plates. The assembly is then placed into the casting stand for pouring the gel. After the gel is polymerized, the insert is removed from the casting stand and placed in the buffer tank.

Electroblotting Insert

The electroblotting insert has a capacity for 3 gels. Setting up blots is easy - gels are sandwiched in the blotting cassettes with the transfer membranes. The cassettes are then placed in the insert, which is in turn placed in the buffer tank. Coiled electrodes in the insert generate a high intensity current, allowing transfer to take place in about an hour.



2D Electrophoresis Insert

This insert is used for running the first dimension of IEF gels. Up to ten 8 cm gels are poured in disposable capillary tubes and placed in this insert. Gasketed ports allow for easy insertion and removal of tubes. Blocking plugs are included for closing off ports that are not in use.

Accepts Most Precast Gels

Most precast gels, including NuSep™, Bio-Rad™, Invitrogen™ and Cambrex™ can be used with the Enduro PAGE System. The use of precast gels saves time by eliminating the need to pour gels and wait while they polymerize.

Built for Safety and Endurance

For leakproof performance and a long service life, the buffer tank is molded from high quality acrylic. Pins on the top of the inserts ensure that the lid is placed onto the insert in the proper orientation. These pins also aid in removal of the lid. Removing the lid disconnects power to the electrodes.

Wide Range of Accessories

A variety of combs and spacers of varying widths are available to customize your Enduro system. All are color coded and clearly marked for easy identification. Both notched and plain plates can be purchased with spacers permanently bound for easy set up. Additional fiber pads and replacement cassettes are also available as well as capillary tubes, blanking ports and tube supports. Cooling packs are also available to help reduce buffer temperature during higher voltage or longer runs.

Enduro Packages

Four Enduro packages are available. The Enduro PAGE system includes the PAGE insert, casting stand, plates, combs and buffer tank. The Enduro PAGE Electroblotting System includes all of the components of the PAGE system plus the electroblotting insert, three cassettes and six fiber pads. The tube gel insert and PAGE system components make up the Enduro 2D Electrophoresis System. An electroblotting package is also available that includes the buffer tank, electroblotting insert and accessories. All components are also available separately.

SPECIFICATIONS

	Enduro PAGE System	Enduro PAGE Electroblotting System	Enduro PAGE 2D System
Gel Dimensions	10 x 10 cm	NA	8 cm long
Capacity	2 gels/run*	3 gels/transfer	10 tubes/run
Maximum samples	20 per gel	NA	10 (1/gel)
Tank (WxDxH)	19 x 13 x 15 cm	19 x 13 x 15 cm	19 x 13 x 15 cm
Buffer volume	250 mL	1200 mL	500 mL
Included items**	2 ea 10 x 10 notched plates 2 ea 10 x 10 plates w/spacers 2 ea 1 mm comb, 12 wells PAGE Module, casting base	3 ea blotting cassettes 6 ea fiber pads Blotting module, PAGE System	20 ea capillary tubes 20 ea tube supports 10 ea blocking plugs IEF module PAGE System

*Can run 4 gels by stacking the plates.

**Each system includes buffer tank, lid, leads and cooling pack. The Blotting and IEF Systems also include the PAGE components.

ORDERING INFORMATION

Catalog No.	Description
E2010-P	Enduro PAGE System, includes PAGE insert, buffer tank with leads and cooling pack
E2010-PB	Enduro PAGE Electroblotting System, includes the blotting insert and PAGE system components
E2010-P2	Enduro PAGE 2D System, includes 2D insert and PAGE System components
E2010-B	Enduro Electroblotting System includes buffer tank and blotting insert
E2010-BM	Electroblotting Module only for use with Enduro PAGE System
E2010-2M	2D Electrophoresis Module only for use with Enduro PAGE System

Additional spacers, combs and plates are available. Contact your local representative or visit www.labnetlink.com for details and ordering information.

Enduro™ Horizontal Gel Boxes

- ❑ Molded, durable construction
- ❑ Rubber gates for easy, tapeless gel casting
- ❑ Adjustable height combs
- ❑ Loading guides aid in well visualization

Enduro Horizontal Gel Boxes have been designed for ease of use, safety and durability. A variety of sizes are available, from a mini gel system to a large maxi gel system that can accommodate as many as 450 samples in a single run. A wide range of accessories are available to customize your system, including multichannel compatible gel combs.

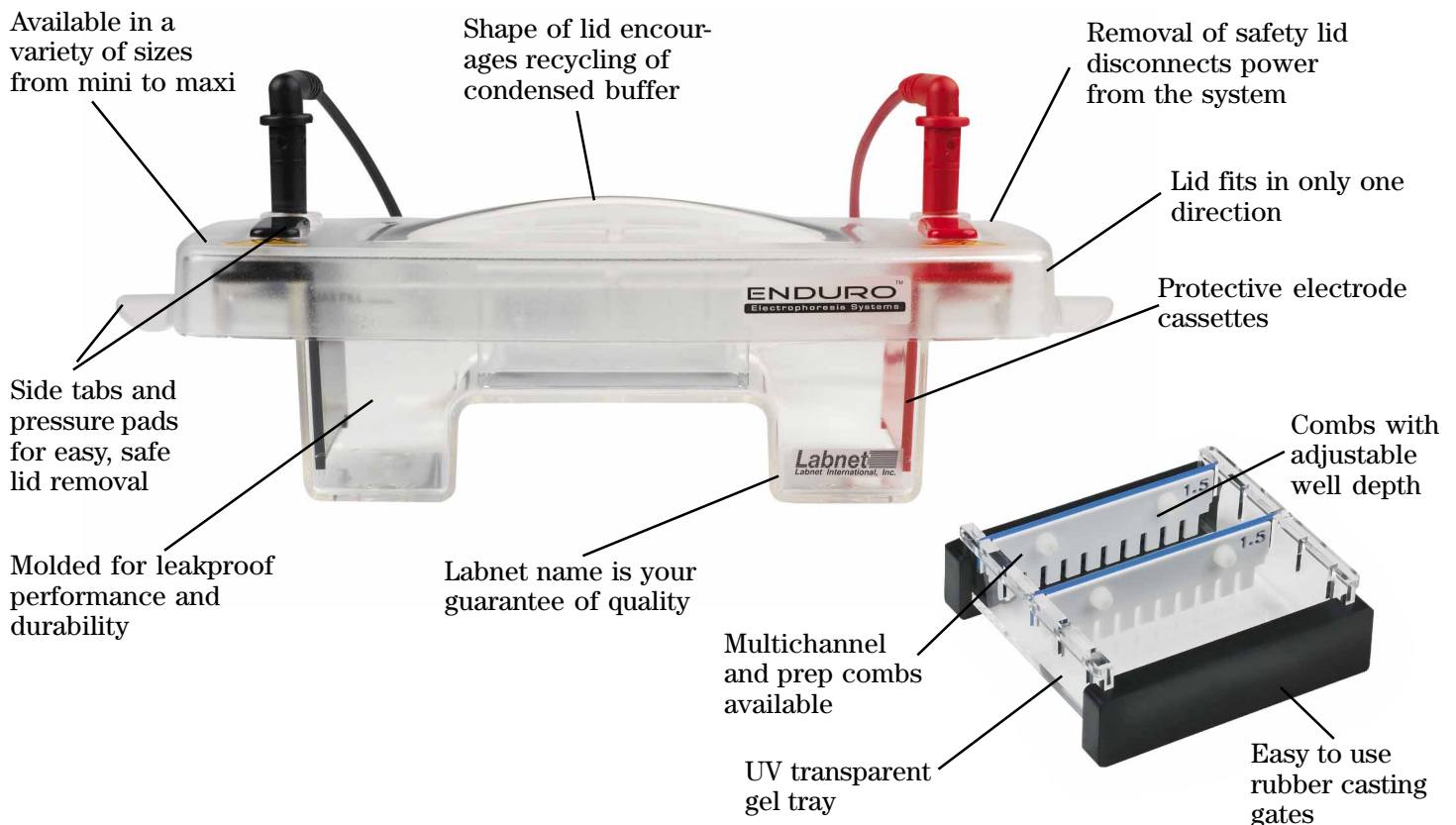
Quality Construction

The Enduro gel tanks are molded for leakproof performance and a long service life. The corrosion resistant platinum electrodes are located in cassettes to protect them during cleaning and provide for easy replacement. The lids fit on the gel boxes in only one direction. A drip ring on the lid recycles condensed buffer and prevents it from dripping directly onto the gel

Ease of Use

Casting gels for the Enduro system is very easy. Simply snap the rubber gates onto the ends of the tray, place the comb in position and pour the gel - no taping is necessary. Slots on the sides of the gel trays hold the combs in place. The two piece combs are designed so that the teeth can be raised or lowered to vary the depth of the well within the gel. The supplied combs are 1.5 mm thick. Combs of other thicknesses are available separately. After the gel has hardened, the combs and gates are removed and the gel and tray placed in the gel box. Loading strips may be placed on the bottom of the gel box to aid in well visualization. Gel trays are UV transparent.

The power leads for the Enduro system are attached to the gel box lid. The connection with the electrodes is made only when the lid is properly in place. Removal of the lid removes power from the system. Side tabs and pressure pads make lid removal easy and prevent sloshing of buffer.



Enduro™ Horizontal Gel System Range

Enduro 7.7

Ideal for quick runs and low to medium throughput of samples.

Cat. no.: E1007-7



Gel: 7 x 7 cm
Unit: 9 x 21 x 9 cm
Buffer volume: 225 ml
Max. samples: 32
Supplied combs: 2 ea 8 tooth

Enduro 7.10

Small footprint, with longer gel for higher sample throughput or better resolution.

Cat. no.: E1007-10



Gel: 7 x 10 cm
Unit: 9 x 21 x 9 cm
Buffer volume: 225 ml
Max. samples: 64
Supplied combs: 3 ea 8 tooth

Enduro 10.10

Ideal for quick checks of samples from PCR products. For medium throughput laboratories.

Cat. no.: E1010-10



Gel: 10 x 10 cm
Unit: 12.5 x 22 x 9 cm
Buffer volume: 300 ml
Max. samples: 100
Supplied combs: 2 ea 10 tooth*

Enduro 10.15

Wide gel with low buffer requirements.

Cat. no.: E1015-10



Gel: 10 x 15 cm
Unit: 17.5 x 26.5 x 9 cm
Buffer volume: 500 ml
Max. samples: 140
Supplied combs: 1 ea 16 tooth*
1 ea 20 tooth

Enduro 15.15

This gel offers both high throughput and excellent resolution of samples.

Cat. no.: E1015-15



Gel: 15 x 15 cm
Unit: 17.5 x 26.5 x 9 cm
Buffer volume: 500 ml
Max. samples: 210
Supplied combs: 1 ea 16 tooth*
1 ea 20 tooth
1 ea 28 tooth*

Enduro 20.20

Excellent resolution, capacity for up to 450 samples. Ideal for rapid screening of large numbers of samples.

Cat. no.: E1020-20



Gel: 20 x 20 cm
Unit: 23 x 39.5 x 9 cm
Buffer volume: 1.200 ml
Max. samples: 450
Supplied combs: 2 ea 40 tooth
2 ea 20 tooth*

*Denotes multichannel compatible combs.

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