

Molecular Biology Devices

(detailed information and prices on request)

Electrophoresis Systems

Horizontal Electrophoresis Systems

HR-2025 High Resolution Electrophoresis Gel Box



IBI's HR-2025 High-Resolution Electrophoresis Gel Box is ideal for separation of nucleic acids in agarose gels. It is designed for rapid screening of PCR fragments, RFLP analysis or plasmid screening, field inversion gel electrophoresis (FIGE), genomic DNA separations, and electrophoresis procedures requiring recirculation.

HR-2525 High Resolution/High Throughput Electrophoresis Gel Box



IBI's HR-2525 High-Resolution/High-Throughput Electrophoresis Gel Box is ideal for separation of nucleic acids in agarose gels. It is designed for rapid screening of PCR fragments, RFLP analysis of plasmid screening, field inversion, genomic DNA separations, and electrophoresis procedures requiring recirculation. Up to 50 PCR 8-strips can be completed in 15 minutes.

JSB-30 Mini Gel-O Submarine System



The JSB-30 System is used for mini gel format quick screens with up to 18 samples per run. This system can process a large number of samples and is ideal for PCR fragment analysis or recombinant screening. Additional gel beds with matching casting fixtures are available to allow the user to cast a shorter gel when extended resolution of molecules is not necessary.

JSB-302 Double-Wide Mini Gel-O Submarine System



The JSB-302 System is used for mini gel format quick screens with up to 36 samples per run. This system can process a large number of samples and is ideal for PCR fragment analysis or recombinant screening. Additional gel beds with matching casting fixtures are available to allow the user to cast a shorter gel when extended resolution of molecules is not necessary.

JSB-96 Ultra-Wide Mini Gel-O Submarine System



The JSB-96 System is designed for quick screening a large number of samples with limited agarose usage (100 ml). It is ideal for PCR, RFLP analysis, or plasmid screening. The JSB-96 microtiter plate format can run all samples, as well as standards and blanks in under 90 minutes. The microtiter format combs are designed for quick loading with a multichannel pipette. The combs accommodate multiple loading by a micropipetter, leaving room for molecular weight markers.

QSH Lab-Pal Dual Gel Electrophoresis System



The QSH Lab-Pal Dual Gel horizontal electrophoresis unit is specially designed for the educational market based on years of tested and proven performance in the research market. The QSH Lab-Pal maintains all key features to enhance performance on safety, durability, ease of use, and cost of operation.

Horizontal Electrophoresis Systems

QS-710 Quick Screen Electrophoresis System



IBI's QS-710 Quick-Screening Electrophoresis Gel Box is designed for rapid, linear separations of nucleic acids. It requires minimal set-up and provides excellent band resolution with consistent lane-to-lane mobility for accurate results. The QS-710 is versatile for use with applications requiring quick screens such as fragment analysis and recombinant screening in 30 minutes or less.

MP-1015 Multi-Purpose Electrophoresis System



IBI's MP-1015 Multi-Purpose Gel Box (10 x 15 cm) is a general purpose unit for both extended high-resolution linear runs as well as economical quick screens. It is equipped with recirculation ports for procedures requiring buffer recirculation. The MP-1015 is constructed of durable cast acrylic, which will withstand high voltages and extreme temperatures without cracking or warping, unlike most molded units. The MP-1015 can be transformed into a quick screening unit with samples resolved in 30 - 60 minutes. Resolution of restriction digestions, plasmid purification, and ligation reactions are all possible with short runs.

Vertical Electrophoresis Systems

Dual-Slab Vertical Gel Electrophoresis System



The JVD-80 Dual-Slab Vertical Gel System allows rapid analysis of protein and nucleic acid samples in a 16 x 18 cm polyacrylamide gel. This system allows analysis to be completed in less than 90 minutes while maintaining comparable resolution. For greater flexibility, the JVD-80 dual vertical system is adjustable from 16 cm to 42 cm or 62 cm thereby increasing resolution by 2.5x.

Ma-GEL-In Mini Gel Protein System



The IBI MaGELin Mini protein systems are designed and manufactured to provide years of service in the Life Science laboratory. They offer the flexibility of using certain pre-cast gels available on the market today or your own casted gels.

Variable Comb Vertical System (VCV System)



The Variable Comb Vertical Electrophoresis System is designed for high resolution and rapid analysis of protein and nucleic acid samples in 18 x 22 cm format agarose and polyacrylamide gels. It is ideal for mapping or blotting procedures.

Power Supplies



The IBI power supplies for electrophoresis and blotting systems are designed and manufactured for years of continuous use.

STS-45i Sequencer



The STS-45i Sequencing System is designed with the user in mind. The patented slant-back feature prevents the glass plates from falling forward during set-up. The white enamel thermoplate not only distributes heat evenly to prevent “smiling or frowning”, but is a perfect background to follow the dye’s progression. The patented easy-turn knobs provide even pressure to the glass plates and thermoplate ensuring sharp bands without distortion. Both lower and upper electrodes are made from corrosion-resistant platinum. The formed lower reservoir is removable for easy disposal of radioactive material. The STS-45i upper and lower reservoirs are equipped with interlocking safety covers to help protect the user.

Blotting Systems

Blot Washer



The IBI Blot Washer was designed to automate blotting procedures so they are performed exactly the same in order to eliminate the background. The Blot Washer is a programmable system that fully automates rinsing, incubating, and dispensing reagents needed for blotting procedures. It can even apply the secondary antibody.

The Blot Washer can be combined perfectly with the shaker “Belly Dancer” (further information on request).

Western Transfer System



The MaGELin Western Transfer System includes a dual gel cassette module with clamps, buffer tank, vented lid and power cords. Ideal for rapid transfer of protein or peptide samples or nucleic acids separated by mini polyacrylamide gels onto 8 x 10 cm or 10 x 10 cm membranes. Depending on the molecular weight and sequence of the protein/peptide, the transfer should take between 60 and 90 minutes. The distance between the electrodes is 4.5 cm. The transfer process is dependent upon the voltage applied, over the distance between the electrodes. By keeping the distance between the electrodes to a minimum, higher electric fields are produced, thus allowing a more efficient transfer.

Blotting Systems (continued)

Immunoblotter



The Immunoblotter is a convenient and economical way to apply primary or secondary antibodies to post transfer membranes. Save on antibody solution and save on buffers. No shaking or rocking needed!

Blot Boxes



The IBI Blot Boxes have ultra-smooth flat inner surfaces and lids that minimize evaporation and fume exposure. The 90° edges allow an excellent membrane movement. The boxes are stable up to 70 °C and available in multiple sizes and colours.

Semi-Dry Blotters



IBI Semi-Dry blotters are designed for years of reliable service. Available in two sizes, 16 x 16 cm and 24 x 30 cm, these semi-dry blotters have a graphite coated anode and cathode surface which reduces heat and allows for minimal amounts of buffer usage to achieve fast and clear transfers with no band distortion. Units accommodate multiple gel stacks for fast, high-throughput applications. Standard electrophoresis power supplies with 400 – 500 mA capabilities can be used with these systems.

Also in our portfolio – further information on request:

Antibodies:

Wide range of antibodies from the well-known manufacturers Meridian Life Science, Immunology Consultants Laboratory (ICL), Innovative Research and Moss available.

Also available:

Agarose, dyes, reagents for SDS PAGE, DNA, RNA and protein markers, as well as DNA, RNA and protein extraction/purification kits.