

all in one electrophoresis and blotting system manufacturer

The integrated electrophoresis and blotting system with built-in high-performance power module supports seamless switching between electrophoresis and blotting, simplifies the operation process and improves the experimental efficiency, which is applicable to the fields of biochemistry, molecular biology and protein research.

Integrated Electrophoresis and Blotting System

The Integrated Electrophoresis and Blotting System combines electrophoresis and protein membrane transfer into one streamlined device, making it an essential tool for Western Blot experiments.

Main Features

1. **Integrated Power Supply:** Built-in dedicated power supply with automatic switching between electrophoresis and membrane transfer modes; no need for additional equipment.
2. **Standardized Program Control:** Preset experimental parameters and one-key start simplify operation steps.



3. **Fast Buffer Compatibility:** Supports fast gel electrophoresis and membrane transfer buffers for shortened experiment times.
4. **High-Speed Operation:** Electrophoresis and membrane transfer can be completed within 30 minutes to support high-efficiency workflows.
5. **Compact Structure:** Space-saving design for easy laboratory arrangement and transportation.

Advantages

1. **Easy Operation & Time Saving:** Integrated design and preset programs reduce setup time and boost efficiency.
2. **Coherent Process:** Electrophoresis and membrane transfer steps are seamlessly connected, minimizing equipment handling.
3. **Space & Cost Savings:** A single device completes two critical steps, reducing equipment investment.
4. **Wide Applicability:** Supports various fast buffers and protein sample types for diverse experimental needs.
5. **Stable & Reliable:** Stable power output ensures uniform and efficient electrophoresis and membrane transfer.

Working Principle

The system uses a built-in power supply to deliver constant voltage and current during electrophoresis, separating protein samples in the gel. Upon completion, it automatically switches to membrane transfer mode, adjusting current direction and parameters to transfer proteins onto PVDF or nitrocellulose membranes. Optimized buffers and intelligent control ensure accurate voltage, current, and timing for complete protein transfer and effective electrophoresis.

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Model	EB10
Number of electrophoresis gels	1 to 2 gels
Gel thickness	0.75mm, 1.0mm, 1.5mm, optional
Optional comb teeth	10, 15 teeth
Glass plate size	short glass plate: 101x73mm, long glass plate: 101x82mm
Transfer area	110x90mm
Timer range	0 to 999 minutes