

GEL ELECTROPHORESIS SYSTEM

ALS-INS013



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DESCRIPTION

Gel Electrophoresis System ALS-INS013 is a laboratory technique for separating charged molecules like DNA or RNA based on their size and charge. With a variety of sizes to choose from, including micro and maxi, as well as different comb options. To reduce leakage, horizontal electrophoresis units are made up of single-mold. The casting assembly is uniquely engineered, easy to use, and leak-free.

KEY FEATURES

- User-Friendly Control:** The ALS-INS013 series ensures precise and high-resolution molecular separation with easy-to-use controls.
- Multiple Gel Lines:** Capable of running multiple gel lines concurrently, increasing efficiency and throughput in the lab.
- Easy Sample Loading:** The gel tray's black band (zebra crossing) design allows for easy placement and observation of samples during loading, ensuring clear visibility.
- Single Gel Casting Equipment:** Apart from the Mini Unit, all units in the series feature a gel casting apparatus that supports gels of all sizes, streamlining the casting process.
- Built-in Protection:** To ensure user safety, power is automatically cut off when the lid is opened during operation.
- Easy Maintenance:** A withdrawable electrode design allows for quick and easy repairs, minimizing downtime.
- Efficient Gel Casting:** The specialized gel casting apparatus enables fast and efficient gel preparation, saving time.
- Buffer Conservation:** Designed to use minimal buffer solutions, reducing resource consumption and waste without compromising performance.
- Maxi Unit Compatibility:** The Maxi unit is ideal for PCR (96 wells) and 8-channel pipette applications, providing flexibility for various experimental needs.
- Midi Unit Unique Comb Design:** The Midi unit features a unique comb design with two distinct teeth, providing versatility for different gel casting requirements.
- Material of Construction (MOC):** Made from durable, temperature-resistant transparent polycarbonate, these horizontal electrophoresis units offer clear visibility of the gel and samples during the electrophoresis process, ensuring reliable performance.

TECHNICAL SPECIFICATION

Gel plate dimensions	60 × 60, 120 × 60, 60 × 120, 120 × 120 (mm)
Sample Combs (Comb Thickness)	2+3 (2.0 mm), 6+13, 8+18 (1.5 mm), 11+25 (1.0 mm)
Buffer volume	650 ml
Max No of Samples	50
Size (L X W X H)	310 × 150 × 90 (mm)