

HORIZONTAL ELECTROPHORESIS



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ABOUT THE COMPANY

iGene Labserve Pvt. Ltd. is gaining recognition by offering resilient, innovative solutions in laboratory instrumentation across healthcare, genomics, drug discovery, biopharma, and food & beverage sectors. We strive to enhance lab efficacy and reduce challenges through advanced technologies and a diverse product portfolio tailored to our customers' needs.

DESCRIPTION

IG-DN Series horizontal electrophoresis 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, DN series horizontal electrophoresis units are made up of single-mold. The casting assembly is uniquely engineered, easy to use, and leak-free.



IG-31DN Electrophoresis



1.5 mm X 17 Teeth comb



Gel Casting Tray



1 mm X 34 Teeth comb

KEY FEATURES

- **User-Friendly Control:** The IG-DN 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.

SPECIFICATIONS & ORDERING INFORMATION

IG-66 MINI MINI DNA ELECTROPHORESIS

Gel Dimension	60 × 60 (mm)
Sample Combs (Comb Thickness)	6 (1.5 mm), 8 (1.5 mm) or 11 (1.0 mm, 1.5 mm)
Buffer volume	120 ml
Max No of Samples	22
Size (L X W X H)	197 × 96 × 64 (mm)

IG-66 MINI+ MINI DNA ELECTROPHORESIS

Gel Dimension	100 × 100 (mm)
Sample Combs (Comb Thickness)	8 (1.0 mm, 1.5 mm), 15 (1.0 mm, 1.5 mm) samples
Buffer volume	260 ml
Max No of Samples	30
Size (L X W X H)	270 × 115 × 110 (mm)

IG-31DN MIDI DNA ELECTROPHORESIS

Gel plate dimensions	60 × 60, 120 × 60, 60 × 120, 120 × 120 (mm)
Sample Combs (Comb Thickness)	25+11 (1.0 mm), 6+13 (1.5 mm), 3+2 (2.0 mm) & 3+1 (2.0 mm)
Buffer volume	260 ml
Blue light wavelength	470 nm
Max No of Samples	50
Size (L X W X H)	310 × 150 × 120 (mm)

IG-51DN MAXI DNA ELECTROPHORESIS

Gel Plate dimension	200 × 150, 150 × 150 (mm)
Sample Combs (Comb Thickness)	17 (1.0 mm), 17 (1.5 mm), 34 (1.0 mm) & 34 (1.5 mm)
Buffer volume	1000 ml
Max No of Samples	238
Size (L X W X H)	360 × 195 × 100 (mm)



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